Samsung GALAXY S 5

4 G LTE SMARTPHONE

User Manual

Please read this manual before operating your phone, and keep it for future reference.

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Dynamic Noise Suppression from Audience

Your phone is equipped with an advanced voice processing chip that delivers clear mobile calls by suppressing background noise, intermittent sounds (like a siren or nearby conversation), and echoes, allowing you to hear and be heard nearly anywhere.

How Does It Work?

Based on the intelligence of the human hearing system, the technology:

- Captures, evaluates and distinguishes all the sound signals surrounding your phone, and the person you're speaking with.
- Then isolates the primary voice in conversation and filters out the background noise - so the person you're calling hears only your voice, without disturbing background noise.
- Dynamically equalizes and adjusts voice volume to optimize your calling experience, so you can hear clearly and don't need to speak louder to overcome surrounding noise.

The noise suppression technology is built-in and already enabled in your new mobile phone. So it's ready to provide unsurpassed voice clarity with every call.

Phone Health/Safety and Warranty Guide

The online version of the Health/Safety and Warranty guide for your device can be found at:

English: http://www.samsung.com/us/Legal/Phone_HSGuide

Spanish: http://www.samsung.com/us/Legal/Phone_HSGuide_SP

Location of Legal Information on the Device:

Health and Safety Information

- Settings ➔ About device ➔ Legal information ➔ Samsung legal ➔ Health & safety.

Warranty

- Settings ➔ About device ➔ Legal information ➔ Samsung legal ➔ Warranty.

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Section 1: Getting Started

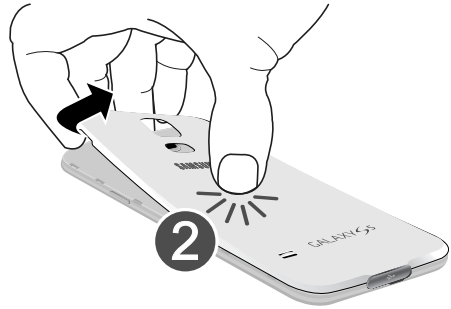
This section explains how to start using your phone by first configuring your hardware, activating your service, and then setting up your voice mail.

Setting Up Your Phone

Prior to use it is necessary to install both the battery and SIM into their corresponding internal compartments. The memory card slot is also located in this same internal area.

1. Remove the back cover using the slot on the top of your phone (1).

2. Lift the cover up (2) and to the right of the phone.



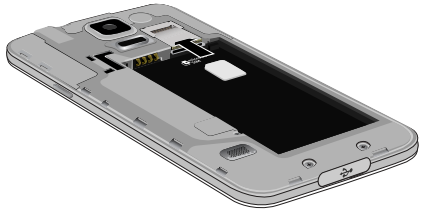
Caution! Do not bend or twist the back cover excessively. Doing so may damage the cover.

Installing the SIM Card

When you subscribe to a cellular network, you are provided with a plug-in SIM card. During activation, your SIM card will be loaded with your subscription details, such as your PIN, available optional services, and many others features.

Important! The plug-in SIM card information and its contacts can be easily damaged by scratching or bending, so be careful when handling, inserting, or removing the card. Keep all SIM cards out of reach of small children.

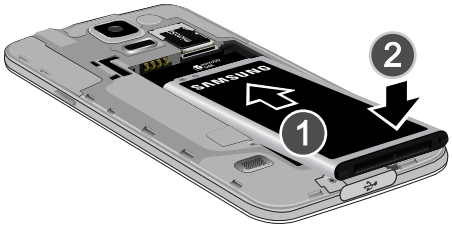
- Carefully slide the SIM card into the SIM card socket (as shown) until the card locks into place.
- Make sure that the card's gold contacts face into the phone and that the upper-left angled corner of the card is positioned as shown.



Note: If the card is not inserted correctly, the phone will not detect the SIM card. Re-orient the card back into the slot if the SIM is not detected.

Installing the Battery

1. Insert the battery into the opening on the back of the phone, making sure the connectors align (1).
2. Gently press down to secure the battery (2).



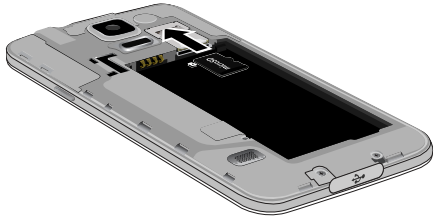
Installing a Memory Card

You can use an optional microSD or microSDHC card to expand available memory space if you desire. These memory cards enable you to store additional images, music, and data. This type of memory card is designed for use with mobile phones, like this one, and other devices.

Note: Your phone has been tested to support up to a 128 GB memory card.

Installing the Memory Card

1. Remove the battery.
2. Carefully insert the microSD card into the slot until it stops (as shown).
   - Make sure the microSD card's gold contact pins face downward and the card is securely inserted.



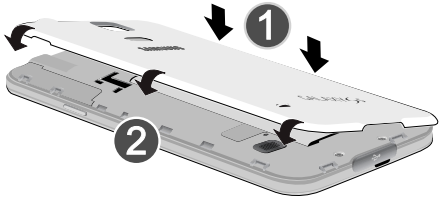
For more information on Memory Cards, see *"Storage"* on page 115.

Removing the Memory Card

1. Remove the battery.
2. Grasp the memory card and slide it from the phone.
3. Install the battery.

Installing the Back Cover

1. Place the battery cover onto the back of the phone (1) and press down (2).



2. Press along the edge of the back cover (3) until you have a secure seal.

Note: Make sure the battery is properly installed before switching on the phone.

Charging the Battery

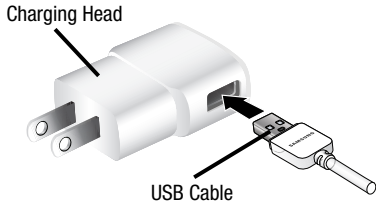
Your device is powered by a rechargeable Li-ion battery. A wall charger, which is used for charging the battery, is included with your device. Use only approved batteries and chargers. Ask your local Samsung dealer for further details.

Before using your device for the first time, you must fully charge the battery.

Your device is powered by a rechargeable Li-ion battery. The Travel Charger that is used to charge the battery, is included with your device. Use only Samsung-approved batteries and chargers.

Note: You must fully charge the battery before using your phone for the first time. A discharged battery recharges fully in approximately 4 hours. Although you can use the phone while the battery is charging, doing so will require additional charging time.

Important! Verify that the battery is installed prior to connecting the wall charger. If both the wall charger is connected and the battery is not installed, the handset will power cycle continuously and prevent proper operation. Failure to unplug the wall charger before you remove the battery, can cause damage to the phone.

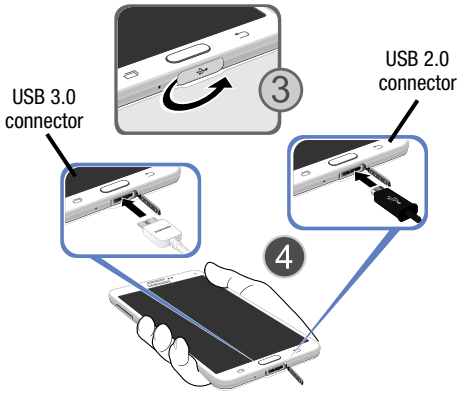


To connect a USB 3.0 cable to the device:

1. Connect the USB cable to the charging head.
2. Locate the Charger/Accessory jack.
3. Open the jack cover, as shown.
4. Insert the USB 3.0 cable into the device's Charger/Accessory jack.
5. Plug the charging head into a standard AC power outlet. The device turns on with the screen locked and indicates both its charge state and percent of charge.

Important! While the device is charging, if the touch screen does not function due to an unstable power supply unplug the USB power adapter from the power outlet or unplug the USB cable from the device.

6. When charging is finished, first unplug the charger's power plug from the AC wall outlet, and then disconnect the charger's connector from the device.
7. If you are using the older style USB 2.0 cable to charge your battery, plug the flat end of the cable into the smaller port in the device's Charger/Accessory jack.



8. When charging is finished, first unplug the charger's power plug from the AC wall outlet, and then disconnect the charger's connector from the phone.
9. Close the Charger/Accessory jack cover.

Important! Your touch screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, refer to *"Phone Health/ Safety and Warranty Guide"* at the front of this manual.

Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, the battery icon ( ) blinks and the device sounds a warning tone at regular intervals. In this condition, your phone conserves its remaining battery power, not by turning off the backlight, but by entering the dimming mode. For a quick check of your battery level, glance at the battery charge indicator located in the upper-right corner of your device's display. Solid color ( ) indicates a full charge.

When the battery level becomes too low, the phone automatically turns off.

You can also choose to display a percentage value. Having a percentage value onscreen can provide a better idea of the remaining charge on the battery.

- From the Home screen, touch **Apps** ➔ **Settings** ➔ **Battery** ➔ **Show battery percentage**.

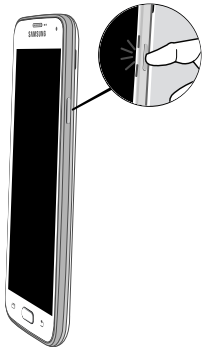
Extending Your Battery Life

Active applications, light levels, Bluetooth usage, and GPS functionality all act to drain your battery. The following is a list of helpful tips that can help conserve your battery power:

- Reduce the time your backlight stays on.
- Turn Bluetooth off when not in use.
- Turn Wi-Fi off when not in use.
- Deactivate Location when not needed. For more information, refer to *"Location"* on page 86. Most applications using this function will periodically query the GPS satellites for your current location; each query drains your battery.
- Do not wait until your battery is completely depleted before charging your device. Repeating this process of a complete discharge and recharge can over time reduce the storage capacity of any battery.
- Use the Power Saving feature to deactivate some hardware and interface functions.
- Check the Battery use screen to review what features or functions have been consuming your battery resources.
- Check the Running Services and close any unnecessary applications.
- Use the Task Manager feature to end/shutdown background applications that are still running. These minimized applications can, over time, cause your device to slow down.
- Animated wallpapers use processing power, memory, and more power. Change your Live Wallpaper to a non-animated Wallpaper gallery or Gallery image.

Switching the Device On or Off

Once the device has been configured, you will not be prompted with setup screens again.



To turn the device on:

1. Press and hold **Power/End** until the device switches on.

   The device searches for your network and after finding it, you can make or receive calls.

2. Swipe your finger across the screen to unlock the phone.

To turn the device off:

1. Press and hold **Power/End** until the Device options screen appears.
2. Touch **Power off**.
3. At the **Power off** prompt, touch **OK**.

Locking and Unlocking the Touch Screen

1. Press **Power/End** to lock the touch screen.
2. Press **Power/End** again to display the lock screen then swipe your finger across the screen to unlock.
3.

Note: Swipe is the default screen locking method. To change your screen lock, see *"Lock Screen Settings"* on page 93.

Configuring Your Phone

When you first turn on your phone, you will need to set up a few things.

1. The **Welcome** screen displays. The default language for your phone is English. If you would like to select another language, touch **English** and scroll up or down to select one of the listed languages.
2. Touch the **Accessibility** box at the bottom of the screen to modify any of the Accessibility function if you desire. For more information, refer to *"Accessories"* on page 114.
3. Touch **Next** and follow the instructions on each screen to set up your phone.

Creating a New Google Account

In order to utilize your device to the fullest extent, you will need to create a Google Account when you first use your device. With a Google Account, Google applications will always be in sync between your phone and computer.

If you did not create a new account during the setup procedure when you first turned your phone on, follow these steps:

1. From the Home screen, touch **Apps** ➔ **Gmail**.
   The **Add a Google Account** screen displays.
2. Touch **New** to create a new Google account.
   – or –
   If you already have a Google account, touch **Existing** to sign in and add the account to your phone.
3. Follow the onscreen instructions to add a Google Account.

Note: Once you have created a Google account, you only need to sign in.

Creating a Samsung Account

An active Samsung account is required to begin accessing applications such as ChatON and Samsung Apps. If you did not create a Samsung account when you first set up your phone, follow these steps:

1. From the home screen, touch **Apps** ➔ **Settings** ➔ **Accounts** ➔ **Add account**.
2. Touch **Samsung account**.
3. Touch **Create account**.
4. Follow the onscreen instructions to create and activate your account.

Setting Up Your Voice Mail

1. From the Home screen, touch **Phone**, and then touch .
2. Follow the tutorial to create a password, record a greeting, and record your name.

Note: These steps may be different depending on your network.

Accessing Your Voice Mail

1. From the Home screen, touch **Phone**, and then touch .

   You may be prompted to enter a password.
2. When connected, follow the voice prompts from the voice mail center.

Accessing Your Voice Mail from Another Phone

1. Dial your wireless phone number.
2. When you hear your voicemail greeting, press the asterisk key on the phone you are using.
3. Enter your password and you are connected to your Voice Mail.

Section 2: Understanding Your Phone

This section outlines some key features of your phone and describes the screen and the icons that appear when the phone is in use. It also shows how to navigate through the phone and provides information on using a memory card.

Features of Your Phone

Your phone is lightweight, easy-to-use and offers many useful features. The following list outlines a few of the features included in your phone.

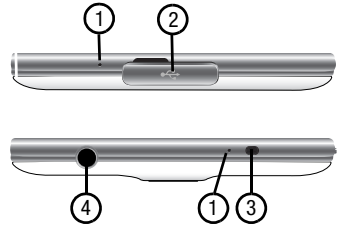
- Android v 4.4.2, KitKat Platform
- Brilliant 5.1" Full HD Super AMOLED® (1080 x 1920) display
- Multi-core processor
- USB 3.0 connector for faster transfer speeds
- Wi-Fi® Capability (802.11 a/b/g/n/ac) @ both 2.4GHz and 5GHz
- Delivers data faster using 4G LTE and High Speed Packet Access Plus (HSPA+)
- Galaxy Gear™ compliant. For more information, please visit samsung.com/us/galaxygearsupport
- Smart Switch™ compliant. For more information, see samsungsmartswitch.com
- Fingerprint and Heart Rate sensors
- Ready access to the Internet
- Built-in Bluetooth technology
- Tethering and Wi-Fi hot spot capability
- 16 Megapixel camera and camcorder with 2 Megapixel Front Facing camera
- Smart Remote control using Smart Remote
- Up to 128 GB expandable memory slot
- Corporate and Personal Email
- Sync and update social network applications
- Thousands of Apps available to download via Google Play Store™ and Samsung Hub
- Full Integration of Google Mobile™ Services (Gmail, YouTube, Google Maps, Google Voice Search)
- Multiple Messaging Options: Text/Picture/Video Messaging, and Instant Messaging with Google Hangouts™
- Video with UHD 3840x2160 recording and playback
- Screen Mirroring to share the media files on your device screen with an HDMI device such as an HDMI TV

Front View

1. **Status Light**: Displays red when charging or the battery is low, blue when a notification has arrived or you are voice recording, and green when fully charged.
2. **Receiver**: Allows you to hear the caller.
3. **Gestures Sensor**: Used to detect Gesture motions.
4. **Proximity and Light Sensors**: Uses the ambient light level to make adjustments. If the light path is blocked, for example, when holding the phone close to your ear, the touch screen will turn off.
5. **Front Facing Camera**: Used to take pictures while facing the screen and allows you to video conference.
6. **Indicator Icons**: Shows the information needed to operate your phone, such as the received signal strength, phone battery level, time, unread Emails, missed calls, and so on.
7. **Widgets:** Self-contained onscreen applications (not shortcuts). These can be placed onto any of the available screens (Home or extended).
8. **Google Quick Search Widget**: Lets you search for items on the Internet. For more information, refer to *"Google Search Widget"* on page 23.

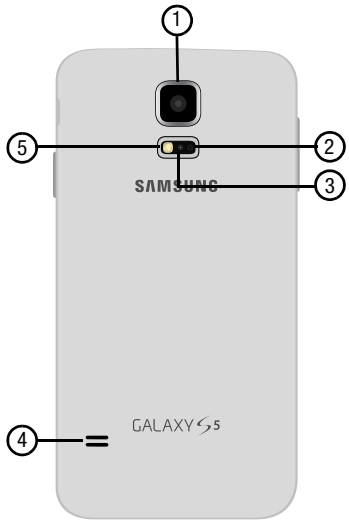
9. **Application Icons**: Shortcuts to your favorite applications on the Home screen.
10. **Home Screen Indicator**: Indicates which Home screen is presently displayed.
11. **Primary Shortcuts**: Allows quick access to important features such as Phone, Contacts, Messages, Internet, and Apps.
12. **Recent Key**: Displays a list of recently opened apps and provides access to the Task Manager.
13. **Home Key**: Displays the Home screen when pressed. Press and hold to display the Google Now app. Double-press to activate S Voice.
14. **Back Key**: Re-displays the previous screen or clears entries.

Top and Bottom Views



1. **Microphones**: Used during phone calls and allow other callers to hear you clearly when you are speaking to them. There are two microphones on the device:
   - **Bottom microphone**: Used during handset mode.
   - **Top microphone**: Used while an active call is in the speakerphone mode and assists in noise cancellation.
2. **USB Power/Accessory connector**: Used to connect a power cable or optional accessories such as a USB/data cable.
3. **IR Transmitter** used to emit infrared signals used for controlling external devices. For more information, refer to *"Smart Remote"* on page 186.
4. **3.5mm Headset jack**: Used to plug in headphones.

Back View



1. **Camera lens**: Used to take photos.
2. **Temperature and Humidty sensor** allows your device to read both temperature and humidity conditions. This is useful to calculate calories burned within S Health.
3. **Heart Rate Sensor**: When using the S Health app, this sensor measures your heart rate via your fingertip. For information on the S Health app, see *"S Health"* on page 184.
4. **External speaker**: Allows you to hear ringers, music, and other sounds offered by your phone.
5. **Flash**: Used to take photos in low-light conditions.

Side Views

1. **Volume key**: Used to adjust the ringer volume in standby mode (with the phone open) or adjust the voice volume during a call. When receiving an incoming call:
   - Pressing the volume key down mutes the ring tone.
2. **Power/End key**: Ends a call or switches the phone off and on. Press and hold for two seconds to:
   - Access the audio modes for the device. Touch an on-screen selection (Mute, Vibrate, or Sound).
   - Turn the device Off or Restart the device.
   - Enable Emergency mode.

Status Bar

The Status Bar shows information about the connection status, signal strength, battery level, and time, and displays additional notifications information.

This list identifies the icons you see on your device's display screen:

Indicator Icons

This list identifies the symbols you'll see on your phone's display and Indicator area:

Displays your current signal strength. The greater the number of bars, the stronger the signal.

Indicates that the Airplane Mode is active. You cannot send or receive any calls or access online information.

Displays when there is no SIM card in the phone.

Displays when there is no network available.

Displays when your phone is in Blocking mode.

Displays when there is a system error or alert.

Displays to indicate a security warning. You are prompted to set a screen lock password.

Displays when a call is in progress.

Displays when a call is on hold.

Displays when the speakerphone is on.

Displays when a call has been missed.

Displays when a call has been muted.

Displays your battery charge level. Icon shown is fully charged.

Displays when your battery is charging. Also displays battery charge level.

Device Power Low – Shows your current battery charge level.

Device Power Critical – Shows your current battery only has less than 5 percent power remaining and will soon shutdown.

Displays when your phone is communicating with the 3G network.

Displays when your phone is communicating with the 4G LTE network.

Displays when your phone is downloading or has downloaded a file. It will blink green when it is installing.

Displays when the an outbound file transfer is in progress.

Displays when the phone is connected to a computer via a supported USB cable connection.

Displays when the phone is tethered via a supported USB cable connection.

Displays when a new text or multimedia message is received.

Displays when a new voice mail is received.

Displays when Email is received.

Displays in the notifications window when there is a new Gmail message.

Displays when the time and date for a Calendar Event has arrived. For more information, refer to *"Calendar"* on page 155.

Displays when you set an alarm to ring at a specified time. For more information, refer to *"Alarm"* on page 162.

Displays when the Sound profile is set to Mute.

Displays when the Sound profile is set to Vibrate.

Displays when Bluetooth is activated.

Displays when a Bluetooth device has been paired with the phone.

Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Displays when there is a Wi-Fi access point available but you are not connected to it. May also display if there is a communication issue with the target Wireless Access Point (WAP).

Displays when Wi-Fi Direct is active and your phone is connected to another device.

Displays when your phone as been configured as a portable Wi-Fi hotspot.

Displays when Location is active and acquiring a signal.

Displays when data synchronization and application sync is active and synchronization is in progress for Gmail, Calendar, and Contacts.

Displays when Near Field Communication (NFC) has been activated.

Displays when your device is connected being used to control streaming media and is connected to a Digital Living Network Alliance (DLNA) certified device using the Samsung Link application.

Displays when your device is currently sharing/ streaming media to a paired device using the Samsung Link application.

Displays when TTY device has been inserted.

Displays when a screen capture has been taken.

Displays when the keypad is active.

For more details on configuring your phone's settings, see *"Changing Your Settings"* on page 81.

Google Search Widget

The Google Search widget provides you an onscreen Internet search engine powered by Google.

1. From the main Home screen, touch the Google Search widget (see *"Front View"* on page 16).
2. Use the onscreen keypad to enter the item you want to search for, then touch .
3. Touch to use Google Voice Search. Follow the onscreen instructions.

Locking and Unlocking the Phone

1. Press **Power/End** (located on the upper right side of your phone).
2. The lock screen will display with **Swipe screen to unlock** displayed at the bottom of the screen.
3. Swipe the touch screen in any direction.
4. The Home screen will be displayed.

Note: There are several additional ways you can lock your screen. For more information, refer to *"Lock Screen Settings"* on page 93.

Menu Navigation

You can tailor the phone's range of functions to fit your needs using both menus and widgets. Menus, sub-menus, and features can be accessed by scrolling through the available onscreen menus. Your phone originally has three home screens but you can expand up to seven home screens.

Command Keys

Recent Key

- Touch **Recent** to display a list of recently opened apps and to access the Task Manager. Touch and hold **Recent** to access the Home screen options menu.

Home Key

- Press **Home** to display the Home screen.

Back Key

- Touch **Back** to return to the previous screen, option or step.

Terms Used in This User Manual

Touch

Lightly touch items to select or launch them. For example:

- Touch the on screen keyboard to enter characters or text.
- Touch a menu item to select it.
- Touch an application's icon to launch the application.

Touch and Hold

Activate onscreen items by a touch and hold gesture. For example:

- Touch and hold a widget on the home screen to move it.
- Touch and hold a field to display a pop-up menu of options.

Swipe and Palm Swipe

To swipe, lightly drag your finger vertically or horizontally across the screen. Use swipe when:

- Unlocking the screen
- Scrolling through the Home screen or a menu

To palm swipe, swipe the side of your hand horizontally across the screen. Use palm swipe when:

- Capturing the screen

Turn Over

Turn your phone over so that the screen faces downward. For example:

- Mute incoming calls and playing sounds by turning your phone over.

Home Screen Overview

The main Home screen is the starting point for many applications and functions, and it allows you to add items like application icons, shortcuts, folders, or Google widgets to give you instant access to information and applications. This is the default page and accessible from any menu by pressing .

Navigating the Home Screen Panels

Your phone originally has three home screens but you can expand up to seven home screens. If you like, you can place different applications on each of the home screens.

- From the main Home screen, sweep the screen with your finger in either direction. The main Home Screen is located in the middle with a Home screen on each side.

Navigating the Application Menu

Your phone initially has three Application menu panels available. Follow these steps to navigate through the Application menu panels:

1. At the Home screen, touch . The first Application menu panel displays.
2. To access the other two panels, sweep the screen left or right.
3. Touch one of the application icons.

Note: As you add applications, the number of Application menu panels automatically increases.

Navigating Using Sub-Menus

Sub-menus are available when you are at any Home screen or have selected a feature or application such as Phone, Contacts, Messages, or Internet.

1. Touch . A sub-menu displays on the phone screen.
2. Touch an option.

Accessing Recently-Used Apps

1. Touch from any screen to open the recently-used applications window.
2. Touch an icon to open the selected application.

   – or –

   Touch to go to the Task manager.

   – or –

   Touch to delete the record of all recently used applications.

Customizing Your Home Screen

You can customize your Home screen by doing the following:

- Customizing the Toolbox
- Creating Shortcuts
- Adding and Removing Primary Shortcuts
- Adding and Removing Widgets
- Moving Icons in the Apps Menu
- Creating Application Folders
- Managing Wallpapers
- Adding and Deleting Home Screens
- Moving Home Screens

Customizing the Toolbox

Activating the Toolbox feature displays an onscreen button that provides quick access to a set of five user-defined applications.

For more information, refer to *"Toolbox"* on page 95.

Note: There can only be at most five applications assigned to the quick access Toolbox button.

To activate the Toolbox feature:

1. From the Home screen, touch **Apps** ➔ **Settings**.
2. Scroll down to **SOUND AND DISPLAY**, then touch **Toolbox**.
3. In a single motion touch and slide the **Toolbox** slider to the left to turn it on ON.

To customize the Toolbox applications:

1. From the active Toolbox screen, touch **Edit**.
2. Place a checkmark alongside up to five applications. These will be quickly accessible via the on-screen button.
3. Touch **Save** once you have completed the assignment of your applications.

Creating Shortcuts

Shortcuts are different than the current Home screen Widgets that only launch an application. Shortcuts activate a feature, action, or launch an application.

Note: To move a shortcut from one screen to another, it must first be deleted from its current screen. Navigate to the new screen, then add the shortcut.

Adding a Shortcut from the Apps Menu

1. Press to display the Home screen.
2. Navigate to the desired Home Page.
3. Touch **Apps** to display your current applications.
4. Scroll through the list and locate your desired application.
5. Touch and hold the application icon. This creates an immediate shortcut of the selected icon and closes the **Apps** tab.
6. While still holding the onscreen icon, position it on the current page. Once complete, release the screen to lock the new shortcut into its new position on the current screen.

Adding a Shortcut via the Add to Home Screen

1. Press to display the Home screen.
2. Navigate to the desired Home Page.
3. Touch and hold on an empty area of the Home screen.
4. Touch **Wallpapers**, **Widgets**, or **Home screen settings**.
5. Press and hold a shortcut from the available list and position it on the current screen.

Deleting a Shortcut

Note: This action does not delete the application, it just removes it's shortcut from the current screen.

1. Press to display the Home screen.
2. Touch and hold the desired shortcut. This unlocks it from its location on the current screen.
3. Drag the icon over the **Remove** icon and release it.

   As you place the shortcut into the Trash, both items turn red.

Adding and Removing Primary Shortcuts

You can change any of your primary shortcuts with the exception of the **Apps** shortcut.

1. Press to display the Home screen.
2. Touch and hold the primary shortcut you want to replace, then drag it to an empty space on any Home screen.
3. Scroll through the App menu to find the shortcut you want to add as the new primary short cut.
4. Touch and hold the new shortcut, then drag it to the empty space in the row of primary shortcuts.

   The new primary shortcut will now appear on all Home screens.

Adding and Removing Widgets

Widgets are self-contained applications that reside in either your Widgets tab or on the main or extended Home screens. Unlike a shortcut, the Widget appears as an onscreen application.

Adding a Widget

1. Press to display the Home screen.
2. Navigate to the desired Home screen panel.
3. Touch and hold on an empty area of the screen.
4. Touch **Widgets**.
5. Press and hold an available Widget to position it on the current screen, then release the Widget.

Removing a Widget

Note: This action does not actually delete a Widget, it just removes it from the current Home screen panel.

1. Press to display the Home screen.
2. Navigate to the desired Home screen panel.
3. Touch and hold a Widget until you can move it around on the screen.
4. Drag the Widget up to the **Remove** icon and release it.

Moving Icons in the Apps Menu

1. Press to display the Home screen.
2. Touch to display your current applications.
3. Touch → **View as** → **Custom**. A green circle will appear next to the option.
4. Touch and touch **Edit**.
5. Scroll through the list and locate the icon you wish to move.
6. Touch and drag the icon to the position that you want. To move to a different page, drag the icon to the edge of the page until the page scrolls to the desired page.
7. Touch **< Edit** or **Back** to return to the Apps screen.

   – or –

   Press to return to the Home screen.

Creating Application Folders

You can create application folders to hold similar applications if you wish.

To create a folder, follow these steps:

1. Press to display the Home screen.
2. Touch to display your current applications.
3. Touch → **Create folder**.
4. Enter a name for the new folder, then touch **Done**.
5. Touch your new folder, then touch to add application shortcuts to the folder.
6. Touch the application(s) that you would like to move to the folder. Check marks appear next to each selected application.
7. Touch **Done**. Application shortcuts display on top of the folder.
8. To view information on an App in your folder, drag the App icon up to the App info icon.

Note: You can also drag other Apps into the folder.

Managing Shortcuts

Note: To move a shortcut from one screen to another, you must carefully touch and hold the shortcut and slowly drag it to the edge of the screen. As the shortcut turns light blue, you can begin to move it to the adjacent screen.If this does not work, delete it from its current screen. Activate the new screen and then add the selected shortcut.

To add a shortcut from the Applications screen:

1. From the Home screen, select a screen location for your new shortcut by scrolling across your available screens until you reach the desired one.
2. Touch **Apps** to reveal all your currently available applications. By default, applications are displayed as an Alphabetical grid.
3. Scroll across the screens and locate your desired application.
4. Touch and hold the onscreen icon. The new shortcut then appears to hover over the current screen.
5. While still holding the onscreen icon, position it on the current screen. Once complete, release the screen to lock the shortcut into its new position.

To delete a shortcut:

1. From the Home screen, touch and hold the desired shortcut. This unlocks it from its location on the current screen.
2. Drag the shortcut over the **Remove** icon and release it.

Adding and Removing Primary Shortcuts

Note: You can change any of your primary shortcuts with the exception of the **Apps** shortcut.

To remove a primary shortcut:

- From the Home screen, touch and hold the primary shortcut you want to replace, then drag it to an empty space on any available screen. The primary shortcuts are now updated to show an empty slot.

To insert a new primary shortcut:

1. From the Home screen, touch **Apps**.
2. Locate your desired application, then touch and hold the onscreen icon to position it in the desired primary shortcut location. The new primary shortcut will now appear on both the Home and Extended screens.

Adding and Removing Widgets

Widgets are self-contained applications that can be placed on any screen. Unlike shortcuts, widgets appear as applications.

To add a Widget:

1. Navigate to a target screen containing an available open area.
2. Press and hold **Recent** key.

   – or –

   Touch and hold on an empty area of the screen.

   The Edit Home screen option appears.
3. Touch **Widgets**. Scroll through the Widget pages and locate a desired Widget.
4. Touch and hold an available Widget until it detaches from the screen.
5. While still holding the Widget, scroll over the location of the available screen and let go of the Widget to place it in the desired location.

To remove a Widget:

1. Touch and hold a Widget until it unlocks from the current screen.
2. Drag the widget over the **Remove** icon and release it.
   - Both items turn red.

Note: This action doesn't delete the Widget, it just removes it from the current screen.

To place a widget onto a different screen:

1. Touch and hold the widget until it becomes transparent.
2. Slowly drag it past the edge of the screen until the adjacent page appears highlighted and it then snaps onto the new page.
3. Drag the widget to its desired position on the new screen.
4. Repeat these steps to continue moving it to other screens.

Managing Wallpapers

Wallpapers consist of either Gallery images (user taken), Static Wallpaper gallery images (default wallpapers), or Live wallpapers (animated backgrounds).

Note: Selecting animated Live wallpapers will require additional battery power.

To change the current Home screen wallpaper:

1. Navigate to an available screen containing an open area.
2. Press and hold **Recent** key to launch the Home Screen Options page.
3. Touch **Wallpapers** ➔ **Home screen**.
4. Scroll across the available wallpaper images and select a Wallpaper type:
   - Touch **More images** to select from a user image stored in the camera image gallery, crop the image, and touch **Done**.
   - Touch a Live wallpaper (**Bubbles** and **Phase beam**) to select from an available animated background, once done touch **Set wallpaper**.

To change Wallpapers from Settings Menu:

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **Wallpaper**.
2. Choose from **Home screen**, **Lock screen**, or **Home and lock screens**.
3. Select a wallpaper image and touch **Done** or **Set wallpaper**.

For more information, refer to *"Wallpaper"* on page 93.

To change the current Lock screen wallpaper:

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **Wallpaper** ➔ **Lock screen**.
2. Select a wallpaper image and touch **Done** or **Set wallpaper**.

Adding and Deleting Screens

Your device comes with up to seven screens. You can delete these screens and then add them back later.

Note: These screens can be deleted and re-arranged.

Important! Your device can only contain at most seven screens and at least one screen.

To add a screen:

1. Navigate to an available screen containing an open area, then press and hold **Recent** key until the Edit Home screen option page appears.
2. Scroll to the far right of the available screens and touch **Add screen**. The newly added screen appears as the last page.
3. Press to return to the Home screen.

To delete a screen:

1. Navigate to an available screen containing an open area, then press and hold **Recent** key until the Edit Home screen option displays.
2. Scroll across the available screens, then drag the undesired screen up to the **Remove** tab.
3. Press **Home** to return to the Home screen.

Rearranging the Screens

1. Navigate to the Edit Home screen option page.
2. Touch and hold a screen and then drag it left or right into its new location. Left most is screen position #1 and right most is screen last screen.

Assigning a New Home Screen

1. Navigate to the Edit Home screen option page displays.
2. Touch to assign an existing screen as the new Home screen. The new Home screen is highlighted and indicates the **Home screen** icon at the top of the selected screen.

Notification Panel

The Notification panel includes a pull-down list to show information about processes that are running, recent notifications, and alerts.

To display the Status indicator:

1. On the Home screen, touch and hold the Notification panel until the pull-down displays, then drag down vertically.
2. Touch a notification entry to open the associated application.

Note: S Finder and Quick connect can quickly be accessed from the top area of the main Notifications screen.

Clearing Notifications

To clear all notifications from the Notification panel:

1. From the Home screen, touch and hold the Notification panel until the pull-down displays, then drag down vertically.
2. Touch the **Clear** button.

   The notifications are cleared and the panel closes.

Accessing Additional Panel Functions

In addition to notifications, the Notification panel also provides quick and ready access to separate device functions. These can be quickly activated or deactivated by toggling them on or off. You can choose the functions that will be displayed.

1. From the notification panel, touch to display additional Quick setting options.

   By default, the following Quick setting options are located in the top two rows and can either be activated (green) or deactivated (gray): Wi-Fi, Location, Sound, Screen rotation, Bluetooth, Mobile data, Download booster, U. power saving, Multi window, and Toolbox.

2. Touch , then locate the **Set quick setting buttons** area located at the bottom of the **Notification panel**.

3. In a single motion, touch and hold a desired function from the bottom (**AVAILABLE BUTTONS**) rows and then drag it to the top two (**ACTIVE BUTTONS**) rows. Additional Quick setting options are: Screen Mirroring, NFC, Sync, Smart stay, Smart pause, Power saving, Blocking mode, Airplane mode, Car mode, Private mode, and Touch sensitivity.
4. Touch **Brightness adjustment** to create a checkmark if you want to be able to adjust the screen brightness via the Notification panel.
5. Touch **Recommended apps** to select applications you want to display on the Notifications panel. to turn this feature on
6. Touch and then touch to display only your primary functions.

Using the Multi Window

This feature allows you to run multiple applications on the current screen at the same time.

Note: Only applications found within the Multi window panel can be active atop another current application on the screen.

Turning Multi Window On and Off

There are two different ways you can turn the Multi window feature on and off:

To turn Multi window on using the Quick Start bar:

1. In a single motion, touch the Status bar to reveal the Notifications tab, and then drag it to the bottom of the screen to open the Notifications panel.
2. Swipe the row of Quick Start icons to the left until the Multi window icon is displayed.
3. Touch the **Multi window** entry to turn the feature On. The icon turns green when On.
4. Touch **Home** to return to the Home screen.
5. Touch the tab to open the application panel showing all the available Multi window apps.

Note: Once you have turned the Multi window option On in step 3, you only need to press and hold the **Back** key ( ) to hide or display the Multi window tab.

To turn Multi window on using the Settings menu:

1. From the Home screen, touch **Apps** ➔ **Settings**.
2. Scroll down to **SOUND AND DISPLAY**, then touch **Multi window**.
3. Touch **ON/OFF** to turn the feature on.
4. Touch **Home** to return to the Home screen.
5. Touch the tab to open the application tray showing all the available Multi window apps.

To deactivate Multi window:

- Press and hold **Back**. This action hides the Multi window tab from view.

Repositioning the Multi Window

The Multi window contains two components: tab and apps tray. The tab can be manually moved across the screen. The apps tray can be relocated to lock onto the different sides of the screen (top/bottom/left/right).

To move the tab:

Note: This is a quick way to get the tab out of the way if you can't get to a button or option behind it.

1. Turn the Multi window feature On.
2. In a single motion, touch and hold the tab for approximately one-second, then slowly drag it to its new location **along the current** screen edge.

To relocate the Multi window tray:

1. Turn the Multi window feature On.
2. Touch the tab to display the apps panel (containing the scrollable apps).
3. In a single motion, touch and hold the tab for approximately one-second to detach it from the screen, then slowly drag it to its new location along either side.

Customizing the Multi Window Apps

The applications found within the Multi window apps tray can be organized by either being rearranged or removed.

To rearrange the Multi window applications:

1. Turn the Multi window feature on.
2. Touch the tab to display the apps tray (containing the scrollable apps).
3. Touch and hold a desired app until it detaches from the tray, then carefully drag it to a new location in the list of apps. Lift your finger off the screen to let go of the app and drop it into its new location.

Panel Controls

More: Access to additional functions.

Create: Create a user-defined custom Multi widow (paired window).

Edit: Edit the available Multi window app.

To edit a Multi window application:

1. Turn the Multi window feature on.
2. Touch the tab to display the apps tray (containing the scrollable apps).
3. Touch **More** ➔ **Edit** (located at the bottom of the list) to reveal a staging area (on the right) that can house any removed applications from the Multi window tray.
4. Touch **Done** once you have completed the removal process.

To remove a Multi window application:

1. Turn the Multi window feature on.
2. Touch the tab to display the apps tray (containing the scrollable apps).
3. Touch **More** ➔ **Edit** button (located at the bottom of the list) to reveal a staging area that can house any removed applications from the Multi window tray.
4. Touch **Done** once you have completed the removal process.

To restore a Multi window application:

1. Turn the Multi window feature on.
2. Touch the tab to display the apps tray (containing the scrollable apps).
3. Touch **More** ➔ **Edit** located at the bottom of the list) to reveal the staging area containing any previously removed apps.
4. Locate the desired application.
5. In a single motion, touch and hold a desired app until it detaches from the staging area, then carefully drag it to a new location in the current list of apps.

Run Multiple Apps on the Same Screen

Only apps found within the Multi window panel can be run at the same time as a current onscreen app.

Once multiple apps are running on the same screen, you can then choose to either swap their positions or maximize a desired app.

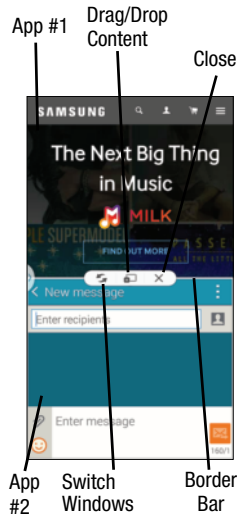
Note: When launching applications that contain multimedia files (music/video), audio from both files will be played simultaneously.

In the following example, we will be launching both the Messages and Internet applications.

1. Launch an application such as Messages.
2. Activate the Multi window feature.
3. Touch the tab to display the apps panel.
4. Touch and hold the desired app, such as Internet, until it detaches from the panel.
5. In a single motion, drag it over the current app and drop the new Multi window app over either the top or bottom area of the current onscreen app.

To switch the arrangement of the applications:

1. Touch the desired application area (top or bottom).
2. With the two applications shown in a split screen, touch the Border button to show the onscreen functions.
3. Locate and touch **Switch Windows**. The current apps are switched.



To add text or image to app:

Dragging and dropping a paragraph of text or a screen shot image is now possible with Multi Window.

Note: Not all apps support this feature.

1. Drag the Gallery app onto one of the available onscreen windows. Open an image folder.
2. With the two applications shown in a split screen, touch the Border button .
3. Locate and touch **Drag and Drop Content**.
4. Drag and drop a paragraph of text or an image from one window into the other.

To close a selected application:

1. With the two applications shown in a split screen, touch one of the two onscreen apps to select it.
2. Touch the Border bar to show the onscreen icons.
3. Locate and touch **Close Application**. The current app is closed and the remaining app is maximized.

Creating a Customized Multi Window Preset

1. Arrange the Multi window view as desired (app location).
2. Once configured, touch the tab to display the apps tray (containing the scrollable apps).
3. Touch **More** ➔ **Create**.
4. Use the onscreen keyboard to name the new preset of paired windows.
5. Touch **OK**. The new preset then appears at the top of the Multi window list of apps.

Entering Text

Your device comes equipped with an orientation detector that can tell if the phone is being held in an upright (Portrait) or sideways (Landscape) orientation. This is useful when entering text.

Your device also provides several onscreen keypad text entry options to make the task of text entry that much easier.

Text Input Methods

There are three text input methods available:

- **Google voice typing**: allows you to enter text by speaking.
- **Samsung keyboard (default)**: Samsung's onscreen QWERTY keypad that can be used in both portrait and landscape orientation.
- **Swype**: a new way to enter text on touch screens. Instead of touching each key, use your finger to trace over each letter of a word.

To change the input method, see *"Keyboards and Input Methods"* on page 106.

The onscreen QWERTY keypad works the same in both portrait and landscape mode.

Selecting the Text Input Method

The Text Input Method can be assigned from within one of two locations:

Settings Menu:

- From the Home screen, touch **Apps** ➔ **Settings** ➔ **Language and input** ➔ **Default** and select an input method.

Text Input field:

1. From a screen where you can enter text, in a single motion, touch and drag the Status bar down to the bottom of the screen to open the Notifications panel.
2. Touch **Choose input method** and select an available input method.

Using Google Voice Typing

This feature uses Google voice recognition to convert your spoken words into onscreen text.

You can use your voice to enter text using the Google Voice typing feature.

1. From the keyboard, touch the top of the screen and drag it down to display your Notification panel.
2. Touch **Choose input method** ➔ **Google voice typing**.
3. At the Listening prompt **Speak now**, speak clearly and distinctly into the microphone.
   The text is displayed in the message as you are speaking.

For more detailed information on configuring Google Voice Typing settings, see *"Google Voice Typing Settings"* on page 110.

4. Touch **Done** when you are finished.
   – or –
   Touch **Resume** to resume recognition.

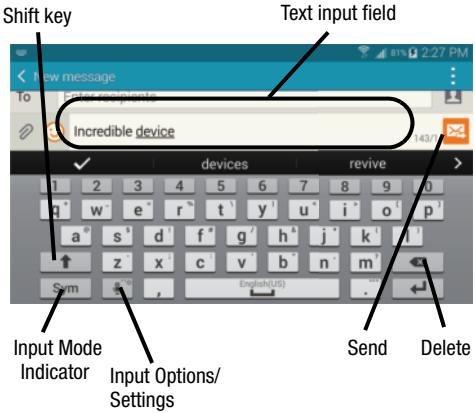
Note: The feature works best when you break your message down into smaller segments.

Using the Samsung Keyboard

This device has a built-in, QWERTY keypad (portrait mode) or keyboard (landscape mode). Using the QWERTY keypad/keyboard, you can type letter, numbers, punctuation, and other characters.

To use the Samsung keyboard you must first configure the settings to default to the Samsung keyboard.

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **Language and input** ➔ **Default** ➔ **Samsung keyboard**.
   – or –
   From a screen where you can enter text, in a single motion, touch and drag the Status bar down to the bottom of the screen, then select **Choose input method** ➔ **Samsung keyboard**.
2. The virtual keyboard is then assigned to the Samsung keyboard configuration for all subsequent text input.



For more detailed information on configuring Samsung Keyboard settings, see *"Samsung Keyboard Settings"* on page 107.

Entering Text Using Different Input Options

Although the default text input method with the Samsung keyboard is to use the onscreen keys you have other options.

Note: To access settings, touch and hold the **Input Methods** button, then touch **Settings** then select it from the available options.

1. From within an active message, touch the text input field to reveal the onscreen keyboard.
2. Touch **Input Methods** to use the default Voice typing input method to convert your spoken words to onscreen text.

   – or –

   Touch and hold to select from other input methods such as:

   - **Voice to text** to launch the device's Google Voice typing application to covert spoken words into text.
   - **Handwriting** to launch an onscreen handwriting area that can be used to convert onscreen patterns (text) to text.

- **Clipboard** to launch the device's clipboard area from where you can select a current clipboard item to place in your current message.
- **Settings** to access the Samsung keyboard settings menu.
- **Emoticons** to access the available Emoticons pages.
- **Keyboard alignment** to detach the on-screen keyboard so that you can manually dock it anywhere on the current text entry screen. Selecting the feature again re-docks the keyboard into its original location using the original size.

Changing the Text Input Mode in Keyboard

1. From a screen where you can enter text, touch the text input field to reveal the onscreen keyboard.
2. With Samsung keyboard as your text entry method, select one of the following text mode options:
   - **Alphabetic** ABC: to use alphabetic characters from the onscreen keyboard. In this mode, the text mode button displays Sym.
   - **Symbol/Numeric** Sym: to enter numbers by pressing the numbers selecting them on the onscreen keyboard. In this mode, the text mode button displays ABC. There are up to 2 available pages of numeric symbols available by touching 1/2.

Note: After typing an initial uppercase character, touch ⬆ to toggle capitalization.

All lowercase

Displays when the next character is entered in lowercase.

Initial Uppercase

Displays when the first character of each word is entered as uppercase but all subsequent characters are lowercase.

All Uppercase

Displays when all characters will be entered as uppercase characters.

By default, the first letter of a new entry is capitalized and the following letters are lower-cased.

Using ABC Mode in Samsung Keyboard

1. From a screen where you can enter text, touch the text input field to reveal the onscreen keyboard.
2. Touch ABC to configure the keyboard for ABC mode. Once in this mode, the text input type shows Sym.

Note: After typing an initial uppercase character, the ⇧ key changes to ⇧ and all letters that follow are in lower case.

3. Enter your text using the onscreen keyboard.
   – If you make a mistake, touch ⌫ to erase a single character. Touch and hold ⌫ to erase an entire word.
4. Touch **Send** to deliver the message.

Using Symbol/Numeric Mode

Use the Symbol/Numeric Mode to add numbers, symbols, or emoticons. While in this mode, the text mode key displays ABC.

1. From a screen where you can enter text, touch the text input field to reveal the onscreen keyboard. Rotate the phone counterclockwise to a landscape orientation, if desired.
2. Touch Sym to configure the keyboard for Symbol mode. Once in this mode, the text input type shows ABC.
3. Touch a number, symbol, or emoticon character.
4. Touch ABC to return to ABC mode.

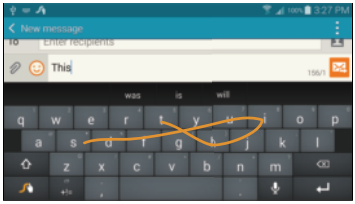
To enter symbols:

1. Touch Sym to configure the keyboard for Symbol mode.
2. Touch the appropriate symbol key.
   – or –
   Touch 1/2 button to cycle through additional pages.
   - The first number on this key indicates which page (1 or 2) of additional characters is active.

Entering Text Using Swype

Swype is a text input method that allows you to enter a word by sliding your finger or stylus from letter to letter, lifting your finger between words. Swype uses error correcting algorithms and a language model to predict the next word. Swype also includes a touching predictive text system.

The following example shows how to enter the word “This”. Put your finger down on the “T”, and without lifting, glide it to the “h”, then to the “i” then over to the “s”.



Enabling and Configuring Swype

The Samsung keyboard is the default text input method, so to use Swype, you must first change the default keyboard setting.

To enable Swype:

1. From a screen where you can enter text, touch the top of the screen and drag it down to display your Notification panel.
2. Touch **Choose input method**.
3. Touch the **Swype** radio button. It will turn green.

   The Swype keyboard is displayed.

Swype Settings

For information on how you can configure your Swype settings, see *“Swype Keypad Settings”* on page 109.

Swype Text Entry Tips

You can access the SwypeTips application and watch a video or tutorial on using Swype. You can also use the following Swype text entry tips.

- Create a squiggle (like an S shape) to create a double letter (such as pp in apple).
- Touch and hold a key to view the punctuation menu then make a selection.
- Move your finger or stylus over the apostrophe to enter contractions.
- Double-touch on the word you want to change to correct a misspelled word, then touch the delete key to erase one character. Touch and hold the delete key to erase an entire word.

Section 3: Call Functions

This section describes how to make or answer a call. It also includes the features and functionality associated with making or answering a call.

Displaying Your Phone Number

- Touch **Apps** ➔ **Settings** ➔ **About device** ➔ **Status**. Your phone number is displayed in the **My phone number** field.

Making a Call

1. From the Home screen, touch **Phone** and use the onscreen keypad to enter the number you wish to dial.
2. Touch to make the call.

Note: When you activate the **Auto retry** option in the Voice Call menu, the phone will automatically redial up to 10 times when the person does not answer the call or is already on the phone. For more information, refer to *"Call Settings"* on page 60.

Quick Dialing a Number from the Contacts List

1. From the Home screen, touch **Contacts**.
2. Locate a contact from the list.
3. In a single motion, touch and drag your finger over the number to the right. This action places a call to the recipient.

Dialing a Recent Number

All incoming, outgoing and missed calls are recorded in the **Call log**. If the number or caller is listed in your Contacts List, the associated name is also displayed.

1. From the Home screen, touch **Phone**.
2. Touch the **Logs** tab.

   A list of recent calls is displayed.
3. Touch the desired Contact to enter the **Details** page, then touch to make a call.

Correcting an Entered Number

Use the following steps to correct a mis-typed entry when dialing.

- After entering a number using the keypad:
  - If you make a mistake, touch to erase a single character.
  - Press and hold to erase the entire string of numbers.

Ending a Call

- When you are ready to end your call, touch the key.

Ending a Call from the Status Bar

1. From an active call, you can launch a separate application or return to the Home screen. The current call is kept active in the background.
2. Touch the Status bar to reveal the Notifications tab, and then drag the tab to the bottom of the screen to open the Notifications panel.
3. Touch **End** to end the currently active call.

Making an International Call

1. From the Home screen, touch **Phone**, then touch and hold . The **+** character appears.
2. Use the onscreen keypad to enter the country code, area code, and phone number.
   - If you make a mistake, touch until the desired numbers have been deleted.
3. Touch to make the call.

Manual Pause Dialing

To manually call a number with pause(s) without storing it in your Contacts list:

1. From the Home screen, touch **Phone** and use the onscreen keypad to enter the phone number.
2. Touch to display the dialer sub-menu.
3. Touch **Add 2-sec pause** to add a two-second pause, and use the keypad to enter the additional numbers.

Tip: You can create pauses longer than two seconds by entering multiple two-second pauses.

---

4. Select **Add wait** to add a wait. A wait will pause the calling sequence until you enter a number or press a key.
5. Touch to make the call.

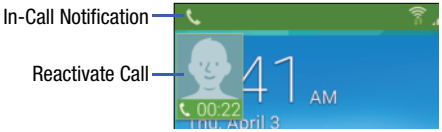
For more information, refer to *"Adding Pauses to Contact Numbers"* on page 62.

Running a Call in the Background

If you exit the current call screen and return to the Home screen, you are visually notified that you are still on an active call by the phone icon within the Status bar.

This is the best way to stay on your current call and do something else (multi-task) such as access the Contacts list, view a recent email, locate a picture, and so on.

- Touch the onscreen reactivate button to return to the currently active call.



Answering a Call

When a call is received the phone rings and displays the caller's phone number, or name if stored in the Contacts List.

1. At the incoming call screen:
   - Touch and drag in any direction to answer the call.
   - Touch and drag in any direction to reject the call and send it to your voicemail.
2. Touch to end the call.

Note: You can answer a call while using the Contacts List or other menu feature. After ending the call, the phone returns to the previously active screen.

Making Emergency Calls

The Emergency calling mode makes redialing an emergency number a 1-touch process. Before you can resume normal calling operations, you should first exit this mode.

Note: This mode can drain your battery power more rapidly than normal calling mode.

Making an Emergency Call without a SIM Card

Without a SIM card, you can only make an emergency call with the phone; normal cell phone service is not available.

1. From the Lock screen, touch **Emergency call**.
2. Enter **911** and touch .
3. Complete your call. During this type of call, you will have access to the Speaker mode, Keypad, and End Call features.
4. Touch to exit this calling mode.

Making an Emergency Call with a SIM Card

1. From the Home screen, touch **Phone**.
2. Enter the emergency number (example: 911), then touch .
3. Complete your call. During this type of call, you will have access to the Speaker mode, Keypad, and End Call features.

Making a Call Using Speed Dial

You can assign a short cut number to a phone number in your Contacts List for speed dialing.

1. From the Home screen, touch **Contacts** to display your Contacts List.
2. Touch to display the Contacts List sub-menu.
3. Touch **Speed dial**.
4. The **Speed dial** screen displays showing the numbers 1 through 100. The number 1 is reserved for Voicemail.
5. Touch an unused number and a list of your contacts displays.

6. Touch a contact to assign to the number. The selected contact's name and number will display in the speed dial number box.
7. To remove a speed dial number assignment, touch (**Remove**).
8. To make a call using Speed Dial, touch → **Keypad** and from the Dialer, touch and hold the speed dial number. If the speed dial number is more than 1 digit long, enter the first few digits, then touch and hold the last digit.

Dialing Options

From the Home screen and Application menus, you have the option to access the Dialer and initiate a call by touching **Phone** → **Keypad**. From the Phone and the Contacts screens, the following tabs are located at the top of your screen:

- **Keypad**: dials the current number entered using the onscreen keypad.
- **Logs**: displays a list of all dialed, received, and missed calls.
- **Favorites**: displays your contacts that you have marked as Favorites.
- **Contacts**: takes you to your Contacts List where you can select a contact to call.

After you begin to enter numbers, the **Add to contacts** option appears so you can save the Contact if needed.

Call Log

The phone stores the numbers of the calls you've dialed, received, or missed in the Call log. The Call log displays the details of the call.

1. From the Home screen, touch **Phone**.
2. Touch the **Logs** tab.

   A list of recent calls is displayed. If the number or caller is listed in your Contacts List, the associated name is displayed.

All calls made, received, and missed are listed. Types of calls are identified by the following icons:

- **Incoming Calls**:
- **Outgoing Calls**:
- **Missed Calls**:
- **Rejected Calls**:
- **Auto Rejected Calls**:

Calling Back a Missed Call

To call back a missed call number:

1. From the Home screen, touch **Phone** ➔ **Logs**.

   A list of recent calls is displayed. If the number or caller is listed in your Contacts List, the associated name is displayed.

2. Swipe the desired missed call to the right to call.

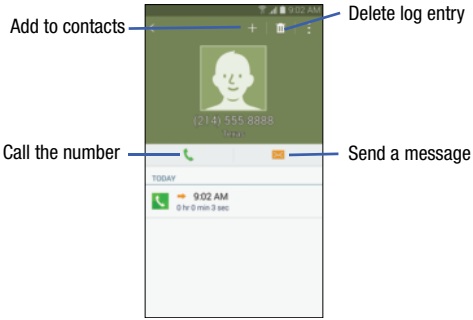
   – or –

   Swipe the desired missed call to the left to message.

Saving a Recent Call to Your Contacts List

1. From the Home screen, touch **Phone** ➔ **Logs**.

   A list of recent calls is displayed.



2. Touch the call you want to save to your Contacts List. The call detail page displays.
3. Touch **Add to contacts** to add the call to your Contacts List.

   Touch **Create contact**. The Create contact screen is displayed.

   – or –

   If you want to replace the number for an existing contact, touch **Update existing**.
4. Enter information into the various fields.
5. Touch **Save** to save when you are finished.

For further details about the **Contacts List** feature, see *"Adding a New Contact"* on page 61.

Sending a Message to a Recent Call

1. From the Home screen, touch **Phone** ➔ **Logs**.

   A list of recent calls is displayed.
2. Swipe the entry you want to message to the left.
3. At the Message screen, touch the empty text field and use the onscreen keypad to type in a message.
4. When you are done with your message, touch to send.

   For more information, refer to *"Creating and Sending Messages"* on page 73.

Deleting a Call from the Call Log

1. From the Home screen, touch **Phone** ➔ **Logs**.

   A list of recent calls is displayed.

2. Touch and hold the call you want to delete from the Call log.

3. Touch **Delete**.

4. At the **Delete log** prompt, touch **OK**.

   The call is deleted from the Call log.

Adding a Call to the Reject List

1. From the Home screen, touch **Phone** ➔ **Logs**.

   A list of recent calls is displayed.

2. Touch and hold the call you want to add to the Reject List.

3. Touch ➔ **Add to reject list**.

4. At the **Add to reject list** prompt, touch **OK**.

   Future calls from this number will be rejected and sent to your voicemail.

Call Duration

1. From the Home screen, touch **Phone** ➔ **Logs**.
2. Touch ➔ **Call duration**.
3. The following times are displayed for Voice and Data:
   - **LAST CALL**: shows the length of time for the last call.
   - **DIALED CALLS**: shows the total length of time for all calls made.
   - **RECEIVED CALLS**: shows the total length of time for all calls received.
   - **ALL CALLS**: shows the total length of time for all calls made and received.
4. You may reset these times to zero by touching then touching **Reset**.

Options During a Call

Your phone provides a number of control functions that you can use during a call.

Adjusting the Call Volume

During a call, to adjust the volume, use the **Volume** keys on the left side of the phone.

- Press the **Up** volume key to increase the volume level and press the **Down** volume key to decrease the volume level.

  – or –

  Quickly add more volume to the audio by touching → **Extra volume**.

Tip: From the Home screen, you can also adjust the ringer volume using these same keys.

In-Call Options

During an active call, there are several functions available by touching a corresponding onscreen button.

- **Add call**: Display the dialer so you can call another person.
- **Keypad**: Display the onscreen keypad, where you can enter number using DTMF (Dual Tone Multi-Frequency).
- **End call**: Terminate the call.
- **Speaker**: Route the phone's audio through either the speaker or through the earpiece.
  - Touch **Speaker** to route the audio through the speaker. (You can adjust the speaker volume using the volume keys.) A green line will appear under the Speaker button.
  - Touch **Speaker** again to use the phone's earpiece (see *"Using the Speakerphone During a Call"* on page 59). The green line will disappear when Speaker is not activated.
- **Mute/Unmute** turn the onboard microphone either on or off.
  - Touch **Mute** during a call to mute the microphone. A green line will appear under the Mute button.
  - Touch **Mute** again to unmute the microphone. The green line will disappear when Mute is not activated.

- **Bluetooth** Connect to a Bluetooth headset.
  - Touch **Bluetooth** during a call to activate a Bluetooth headset. A green line will appear under the Headset button.
  - Touch **Bluetooth** again to de-activate the Bluetooth headset. The green line will disappear when the Headset is not activated.
- Touch for more options:
  - **Contacts**: Go to your Contact list.
  - **Memo**: Write a memo.
  - **Messages**: Write a message during a call.
  - **Personalize call sound**: Adjust the audio quality.
  - **Extra volume**: Add more volume to the audio.
  - **Settings**: Access phone settings. For more information, refer to *"Call"* on page 124.

Personalizing the Call Sound Setting

Adjust the sound of the incoming call by selecting an audio equalizer setting.

1. From the currently active call, touch **Menu** ➔ **Personalize call sound**.

Note: If prompted to enable the feature via the Call settings menu, go to **Settings** ➔ **Call** ➔ **Personalize call sound**.

2. Select an available option. Choose from: Adapt sound, Soft sound, Clear sound, and Off.

Placing a Call While in a Call

If your network supports this service, you can make another call while a call is in progress.

To make a new call while a call is in progress:

1. From the currently active call, touch **Add call** to dial the second call. The first call is reduced to a thumbnail window.
2. Dial the new phone number and touch **Call**.

To switch between the two calls:

- Touch **Swap**. The first call now fills the screen, and the second call is reduced to a thumbnail window.

Switching Between Calls

You can answer another call while you have a call in progress if you have activated your Call waiting feature. Otherwise, the other call will go to your Voicemail box. For more information, refer to *"Additional Settings"* on page 127.

1. Touch and slide to the right to answer another call.
2. Touch **Putting "Name/Number" on hold** to put the first call on hold.

   – or –

   Touch **Ending call with "Name/Number"** to end the first call.
3. To switch between the two calls, touch **Swap**.

   - **Swap**: Place the current call on hold and then activates the previous call. The active call will appear in a green box. Touch **Swap** again to switch back.

To end a call on hold:

1. Touch to disconnect the active call.
2. The call on hold will now become the active call. Touch to end the call.

Using the Speakerphone During a Call

Enable the speakerphone feature during a call.

1. Touch **Speaker** .

   The **Speaker** button now appears as and the speakerphone is activated.

2. Use the **Volume** keys (located on the left side of your phone) to adjust the volume.

3. To deactivate the speakerphone, touch **Speaker** .

Switching Off the Microphone (Mute)

You can temporarily switch your phone's microphone off, so that the other person cannot hear you.

1. Touch **Mute** .

   The **Mute** button now appears as and Mute is activated.

2. Touch **Mute** to deactivate the Mute function and reactivate the microphone.

Bluetooth Headset

1. Touch **Bluetooth** .

2. The phone will scan for your Bluetooth headset. When found, connect to the headset.

   The **Bluetooth** button now appears as and the Bluetooth headset is activated.

3. Touch **Bluetooth** to deactivate the Bluetooth headset and reactivate the phone speaker.

Searching for a Number in Contacts List

1. During the active call, touch then touch **Contacts**.

2. Touch the Contacts List entry.

For further details about the **Contacts List** feature, see *"Finding a Contacts List Entry"* on page 63.

Call Waiting

You can answer an incoming call while you have a call in progress, if this service is supported by the network and you have previously set the Call waiting option to **Activate**.

You are notified of an incoming call by a call waiting tone.

To answer a new call while you have a call in progress:

1. In a single motion, touch and slide it in any direction to answer the new incoming call.
2. Touch an option from the Accept call after menu:
   - **Putting xxx on hold** to place the previous caller on hold while you answer the new incoming call.
   - **Ending call with xxx** to end the previous call and answer the new call.

Note: The new caller appears at the top of the list. The previous caller is placed on hold and appears at the bottom of the list.

3. Touch the onscreen previous **On hold** number entry and select **Swap** to switch between the two calls. This places the new caller on hold and activates the previous call.

Important! The currently active call is displayed with a green background.

4. Touch **Swap** again to switch back.

Call Settings

To access the Call settings menu:

- From the Home screen, touch **Phone** ➔ ➔ **Settings** ➔ **Call**.

  – or –

- From the Home screen, touch **Apps** ➔ **Settings**, under **APPLICATIONS**, touch **Call**.

For detailed information on all of the call settings, see *"Call"* on page 124.

Section 4: Contacts

This section allows you to manage your daily contacts by storing their name and number in your Contacts list. Contacts list entries can be sorted by name, entry, or group.

Adding a New Contact

Use the following procedure to add a new contact to your Contacts list.

Saving a Number from the Home Screen

1. From the Home screen, touch **Contacts** ➔ .
2. At the **Save contact to** prompt, touch on **Device** or an Account name.
3. Touch the image icon and assign a picture to the new entry by choosing one of three options:
   - **Image**: Retrieve a previously stored image from your Gallery or from your My files folder and assign it to this entry. Touch an image to assign the image to the contact, then touch **Done**.
   - **Tagged pictures**: Retrieve a previously tagged image from your Gallery.
   - **Take picture**: Use the camera to take a new picture and assign it to this entry, then touch **Done**.
   - **Remove**: Although not an option with a new entry, deletes any previously assigned image on an existing contact.
4. Touch the **Name** field and use the onscreen keypad to enter the full name. For more information, refer to *"Entering Text"* on page 41.

   – or –

   Touch next to the **Name** field to display additional name fields.
5. Touch the **Phone number** field.

   The **Mobile** button [Mobile] initially displays next to the **Phone number** field. If you want to add a phone number that is not a mobile number, touch the **Mobile** button and select from the other phone number types.

6. Enter the phone number. Touch + to add another Phone number field or touch — to delete a field.
7. Touch **Email address** +.The keyboard displays.

   The **Home** button Home initially displays next to the **Email** field. If you want to add an Email address that is not a Home email address, touch the **Home** button and select another Email address type.
8. Enter the Email address. Touch + to add another Email address field or touch — to delete a field.
9. Touch any of the following fields that you want to add to your new contact:
   - **Groups**: assign the contact to Not assigned, Favorites, ICE - emergency contacts, Co-workers, Family, or Friends.
   - **Ringtone**: adds a field used to assign a message tone that will sound when messages are received from this contact.
   - **Add another field**: touch this button to add additional fields.
10. Touch **Save** to save the new contact.

Adding Pauses to Contact Numbers

When you call automated systems, you are often required to enter a password or account number. Instead of manually entering the numbers each time, you can store the numbers in your Contacts along with special characters called pauses and waits. A pause will stop the calling sequence for two seconds and a wait will pause the calling sequence until you enter a number or press a key.

1. From the Home screen, touch **Contacts**, and then touch the name or number to open the Contact.
2. Touch to edit.
3. Touch the phone number field.
4. Touch the screen at the position where the pause or wait needs to be added.
5. Touch Sym.
6. Touch **Pause** to add a two-second pause or touch **Wait** to add a wait, and use the keypad to enter the additional numbers. A pause will be displayed as a comma (,) and a wait will be displayed as a semi-colon (;).
7. Touch **Save** to save your changes, or touch **Cancel** to discard.

Editing an Existing Contact

When editing an existing contact, you can touch a field and change or delete the information, or you can add additional fields to the contact's list of information.

1. From the Home screen, touch **Contacts**.
2. Touch the Contact that you want to edit.
3. Touch to edit.
4. Touch any of the fields to add, change, or delete information.
5. Touch **Save** to save the edited information.

Using Contacts

Dialing or Messaging from the Contacts List

Once you have stored phone numbers in the Contacts list, you can dial them easily by using the Search field to locate the entry.

From the Contacts list, you can also send messages.

Finding a Contacts List Entry

Contact names and their corresponding phone numbers are saved in your phone's onboard memory and/or with your selected account(s).

1. From the Home screen, touch **Contacts**.
2. Within the Contacts list (sorted alphabetically), touch a letter on the right side of the display to quickly jump to the contacts beginning with that letter.
3. Touch the contact you wish to call or message.
4. Touch the phone icon to make a phone call or touch the message icon to send a message.

   For more information, refer to *"Creating and Sending Messages"* on page 73.

Tip: From the Contact list, sweep right over a listing to make a call. Sweep left over a listing to send a message.

Linking Contacts

Linking Contact Information

Many people now maintain multiple email accounts, social networking accounts, and other similar account information. For example, a Facebook account login name might differ from a corporate email account login because they are maintained separately and for different groups of people.

This device can synchronize with multiple accounts such as Facebook, Twitter, MySpace, Corporate email, and Google. When you synchronize your phone with these accounts, each account creates a separate contact entry in the Contacts list.

If one of your contacts (Amy Smith, for example) has a regular email account that you maintain in Gmail, but also has a Facebook account under her maiden and married name, as well as a Yahoo! chat account, when you merge these accounts into your Contacts list you can link all of her entries and view the information in one record.

The next time you synchronize your phone with your accounts, any updates that contacts make to email account names, email addresses, and so on automatically update in your contacts list.

For more information about synchronizing accounts, see *"Synchronizing Accounts"* on page 66.

Note: Only contacts stored on your phone can be linked.

1. From the Home screen, touch **Contacts**.
2. Touch a contact name (the name you want to link to another entry).
3. Touch → **Link contacts**.

   The contact list is displayed.
4. Touch the second contact entry (the entry in which to link). The second contact is now linked with the first and the account information is merged into one screen.
5. Touch the link icon under the **Connection** bar to view the contact information you joined. The contacts and information displays with an icon next to the contact name to indicate what type of account information is contained in the entry.

Note: The information is still maintained in both entries, but displays in one record for easier viewing when you link the contacts.

Unlinking a Contact

1. From the Home screen, touch **Contacts**.
2. Touch a contact name (the account name from which you want to unlink an entry).
3. Touch the link icon under the **Connection** bar.
4. Touch the minus sign next to entry in which you want to unjoin.
5. At the **Separate contact** prompt, touch **OK**.

   The contact is now separated and no longer displays in the merged record screen.

Marking a Contact as Default

When you use messaging type applications, the application needs to know which information is primary (default) in a contact entry list. For example, you may have three different contact records for John Smith, so the application will be looking for the “default” number or entry.

1. From the Home screen, touch **Contacts**.
2. Touch a Contact name.
3. Touch → **Mark as default**. The Mark as default screen displays radio buttons next to the contact names or phone numbers of all the linked contacts. The radio button next to the default contact will be green.
4. To change the default contact, touch the radio button next to another entry that you want to be the default. The radio button will turn green, then touch **Save**.

Synchronizing Accounts

From the Accounts menu you decide if you want applications to synchronize, send, and receive data at any given time, or if you want the applications to synchronize automatically. After determining how you want the accounts to synchronize, indicate which account to synchronize with your Contacts list.

1. From the Home screen, touch **Contacts**.
2. Touch → **Settings** → **Contacts** → **Accounts**.

   If you have previously added any accounts, the **Sync settings** prompt is displayed with your current accounts listed.
3. Touch an account that you would like to synchronize.
4. At the **Sync settings** screen, touch the options that you would like to synchronize for that account.
5. Touch **Sync now** to synchronize the account.
6. Touch to return to the Contacts list.

Note: You can also synchronize your accounts using the Settings menu. (For more information, refer to *"Synchronizing Accounts"* on page 104.)

Contacts List Options

You can access Contacts list options while at the main Contacts list page or while in the details page for a specific entry.

Options in Contacts List

1. From the Home screen, touch **Contacts** then touch .
2. The following options are displayed:
   - **Select**: Select entries by placing a check mark beside a desired entry.
   - **Delete**: Delete one or more of your selected contacts.
   - **Business cards**: Create new business cards or access previously photographed business cards.
     – Touch → to begin framing and then photographing a new business card. This process automatically imports that information and updates either an existing contact or creates a new one.

- **Merge accounts**: Merge all of your current Contact entries with either your active Google or Samsung account. If several of your contacts are from other external sources, this allows you to "back them up" or copy them to your Samsung account. Touch **OK** to continue or **Cancel** to exit.
- **Speed dial**: Set up speed-dialing.
- **Send message or email**: Send a message or an email using your Google account.
- **Link contacts**: Link the current contact to another current contact. Similar to a "see also" feature. If you can't remember a contact's information, linking entries can help you find the person you are looking for.
- **Settings**: Configure where you access either Call or Contacts settings.
  - **Call**: Access the Phone settings menu.
  - **Contacts**: Access Contacts options such as Import/Export, Contacts to display, etc.
- **Help**: View help information about using Contacts.

Options at Selected Contact Screen

1. From the Home screen, touch **Contacts**.
2. Touch a contact and at the contact's display screen, touch .
3. The following options are displayed:
   - **Delete**: Delete the currently active entry.
   - **Link contacts**: Link the current contact to another current contact.
   - **Unlink contacts**: Unlink contacts that have been linked. This option only appears if the contact has been linked.
   - **Mark as default**: Mark one entry in a contact record to use as the default. For more information, refer to *"Marking a Contact as Default"* on page 65.
   - **Share name card**: Send contact information as an attachment using various applications.
   - **Send contact information**: Select specific elements of an existing contact (name, Mobile number, email, etc.) and send them to a recipient via a text message. This option does not send the entire Contact entry but only selected elements.

- **Add to reject list**: Add an entry's number to the reject list.
- **Add shortcut to home screen**: Add a shortcut to the current Contacts entry to an available screen location.

Groups

Adding a Contact to a Group

1. From the Home screen, touch **Contacts**.
2. Touch the Contact that you want to add to a group.
3. Touch to edit.
4. Touch **Groups**.
5. Touch the group that you would like to add the contact to. You may select as many groups as you like.
6. Touch **Save**.
7. After returning to the main edit screen, touch **Save** again.

Removing a Contact From a Group

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Touch a group entry.
3. Touch ➔ **Remove from group**.
4. Touch all of the contacts you want to remove from this group. A green checkmark will appear next to their name.
5. Touch **Done**.

   The contacts are now removed from the group, but remain in your Contacts list.

Creating a New Group

1. From the Home screen, touch **Contacts** ➔ **Groups** ➔ **Create group**.
2. Touch the **Group name** field and use the onscreen keypad to enter a new group name.
3. Touch **Group ringtone** to choose a ringtone for assignment to this new group. Touch a ringtone to hear how it sounds, then touch **OK**.

   – or –

   Touch **Add** to select a ringtone from your music files.
4. Touch **Group message tone** to choose an alert tone for assignment to this new group, then touch **OK**.
5. Touch **Group vibration pattern** to choose a vibration audio file for assignment to this new group, then touch **OK**.

   – or –

   Touch **Create** and follow the onscreen instructions to create your own vibration pattern.
6. Touch **Add member** to add contacts to the new group.
7. Touch each contact you want to add to create a checkmark. You can also touch **Select all**.
8. Touch **Done**.
9. Touch **Save** to save the new Group category.

Editing a Group

To edit a Group entry, there must be at least one member as part of the selected group.

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Touch a group entry.
3. Touch ➔ **Edit group**.
4. Make modifications to the **Group name**, **Group ringtone**, **Group message tone**, **Group vibration pattern**, or **Vibration pattern** fields.
5. Touch **Add member** to add more contacts to this group.
6. Touch **Done**.
7. Touch **Save** to save the edited Group category.

Favorites

Once you have stored phone numbers in the Contacts list, you can add them to your Favorites list.

To view your Favorites list:

- From the Home screen, touch **Contacts** ➔ **Favorites**.

Adding Favorites to Your Contacts List

1. From the Home screen, touch **Contacts** ➔ **Favorites**.
2. Touch **Add to favorites**.
3. When the Contacts list is displayed, touch a contact that you want to add to your favorites list. You may select more than one.
4. Touch **Done**.
5. A gold star will appear next to the contact image in the Contacts list.

Removing Favorites from Your Contacts List

1. From the Home screen, touch **Contacts**.
2. Within the Contacts list, touch a contact that you want to remove from your favorites list. Contacts in your Favorites list will have a gold star.
3. Touch the gold star on the top of the display.
4. The gold star will change to a white star and the contact is removed from your Favorites list. The gold star will no longer appear next to the contact image in the Contacts list.

Managing Contacts

You can export your contact list to and from USB storage or an installed memory card. Contacts are exported and imported as a special VCF file, and contacts are sent as vCards.

Exporting Contacts to Memory

Note: When storing a Contacts list entry into your phone's USB memory or to a memory card, only the name, phone number, and email address are available as fields. Also, if you move a memory card to another phone that does not support additional fields on the memory card, this additional information may not be available.

1. From the Home screen, touch **Contacts** ➔ ➔ **Settings** ➔ **Contacts** ➔ **Import/Export**.
2. Touch **Export to USB storage** or **Export to SD card**.
3. At the **Confirm export** prompt, touch **OK** to export.

Importing Contacts to the Phone

1. From the Home screen, touch **Contacts** ➔ ➔ **Settings** ➔ **Contacts** ➔ **Import/Export**.
2. Touch **Import from USB storage** or **Import from SD card**.
3. At the **Save contact to** prompt, touch **Device** or an account name that you would like to copy the contact to.
4. At the **Select vCard file** prompt:
   - To import one contact, touch **Import vCard file**.
   - To import multiple selected contacts, touch **Import multiple vCard files**.
   - To import all contacts, touch **Import all vCard files**.
5. Touch **OK** to copy.
6. At the **Select vCard file** prompt, touch **OK** to copy.

   The selected vCards are copied.

Deleting Contacts List Entries from the Phone

You can delete Phone or account contact entries from your phone's memory.

1. From the Home screen, touch **Contacts**.
2. Within the Contacts list, touch and hold a contact that you want to delete.

   The contact list displays with the contact checked.
3. Touch **Delete** on the displayed list.
4. At the **Delete contact** prompt, touch **OK** to delete the contact or **Cancel** to exit.

Section 5: Messaging

This section describes how to send and receive different messages using the default Messages app on your phone.

Types of Messages

Your default Messages app provides the following message types:

- Text Messages
- Multimedia (Picture, Video, and Audio) Messages

The Short Message Service (SMS) lets you send and receive text messages to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's message service.

The Multimedia Messaging Service (MMS) lets you send and receive multimedia messages (such as picture, video, and audio messages) to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's multimedia message service.

Important! When creating a message, adding an image, a sound file, or a video clip to a text message changes the message from a text message to a multimedia message.

Messaging icons are displayed at the top of the screen and indicate when messages are received and their type. For more information, refer to *"Indicator Icons"* on page 20.

Creating and Sending Messages

This section describes how to create a send a message using the Messages app.

1. From any Home screen panel, touch **Apps** ➔ **Messages** ➔ **Compose**.
2. Touch on the **Enter recipients** field to manually enter a recipient or touch to select a recipient from your Contacts. You can also select the recipient based on Groups, Favorites, or Logs.
   - If adding a recipient from your Contacts, touch the contact to place a checkmark then touch **Done**.

- For the Group option, if the number of recipients is less than 10, all members in the group will be added. You will need to delete any unnecessary members in the list by selecting the trash can icon and deleting unwanted entries.
- Enter additional recipients by separating each entry with a semicolon (;) then using the previous procedure

3. Touch the **Enter message** field and use the onscreen keypad to enter a message.
4. To add an attachment to your message, touch . For more information, refer to *"Viewing New Received Messages"* on page 76.
5. Touch **Add emoticons** to choose an available emoticon from an on-screen list and then add it into your message (at the cursor location) if desired.
6. Review your message and touch **Send** .

Note: If you exit a message before you send it, it will be automatically saved as a draft.

Adding Attachments to a Message

To add an attachment to your message, touch and select one of the following options:

- **Image**: Select an image and add it to your message.
- **Take picture**: Temporarily exit the message, take a photo with the camera, and then add it to your message.
- **Video**: Choose a video and add it to your message.
- **Record video**: Temporarily exit the message, record a video clip using the camera, and then add it to your message.
- **Audio**: Choose an audio file and add it to your message.
- **Record audio**: Temporarily exit the message and record an audio clip using the phone's microphone, and then add it to your message.
- **Memo**: Add a memo to the message.
- **Calendar**: Add an event from your calendar.
- **My location**: Attach a Google Maps URL location indicating your current location.

- **Maps**: Attach both a thumbnail and Google maps url link about your current location.
- **Contacts**: Add a Contact entry to your message.

Options While Composing a Message

- While composing a message, touch for additional messaging options.
  - **View contact**: Display the recipient's Contacts entry information (if available).
  - **Add to contacts**: Add a recipient number to either a new or existing Contacts entry.
  - **Quick responses**: Display available preset reply text.
  - **Insert smiley**: Add an emoticon to your message.
  - **Add subject**: Convert an SMS message into an MMS (Multimedia) message and allows you to enter a subject.
  - **Preview** (only in MMS): View the MMS message as the recipient(s) will see it, before sending it.
  - **Add slide**: Convert an SMS message into an MMS (Multimedia) message and allows you to add an additional "page" of text to your message.
  - **Schedule message**: Schedule a time for the current message to be delivered.
  - **Duration (5 sec)** (only in MMS): Change the duration of the image slideshow.
  - **Layout (bottom)** (only in MMS): Change the layout.
  - **Lock messages**: Protect or unprotect selected messages from being deleted.
  - **Add/Remove to priority senders**: Assign or remove the current recipient's phone number to/from a priority list for message delivery. (Priority senders appear at the top of the main Messages screen.)
  - **Add/Remove to/from spam numbers**: Add or remove the current recipient's phone number to/from your list of spam numbers.
  - **Discard**: Close the current open message.
  - **Font size**: Configure the font size in use within your Messages application.

Viewing New Received Messages

1. When you receive a new message, the new message icon will appear at the top of your screen.
2. Open the Notification Bar and select the message. For more information, refer to *"Notification Panel"* on page 34.

   – or –

   From a Home screen panel, touch **Messages** then touch the new message to view it.

   The selected message appears in the display.
3. To play a multimedia message, touch .
   - To pause playback of the multimedia message, touch .
4. To scroll through the message (if additional text pages have been added), touch the screen and scroll up or down the page.

Options While Viewing Messages

- Touch and hold a message bubble to display the following options:
  - **Delete**: Delete the selected message bubble from the thread.
  - **Copy text**: Copy the selected message bubble from the thread.
  - **Forward**: Forward the selected message bubble to a new recipient.
  - **Lock**/**Unlock**: Lock or unlock the selected message bubble from being accidentally deleted.
  - **Share**: Share or store a copy of this message using a variety of networks and services.
  - **View message details**: Display details for the currently selected message bubble.

Message Threads

Sent and received text and picture messages are grouped into message threads. Threaded messages allow you to see all the messages exchanged (similar to a chat program) and displays a contact on the screen. Message threads are listed in the order in which they were received, with the latest message displayed at the top.

Message Thread Options

1. From the main Home screen, touch **Messages** .
2. Touch for options.

- **Select**: Select desired messages.
- **Delete**: Delete the entire message and its bubbles.
- **Draft messages**: Display the draft messages folder and its contents.
- **Locked messages**: Display the locked messages folder and its contents.
- **Scheduled messages**: Display the scheduled messages folder and its contents.
- **Spam messages**: Display the spam messages folder and its contents.
- **Font size**: Configure the font size in use within your Messages application.
- **Settings**: Access Messages settings. For more information, refer to *"Messages Settings"* on page 78.
- **Help**: lets you view descriptions of the Messages functions.

Deleting Message Threads

1. From a Home screen panel, touch **Messages**.
2. Touch → **Delete**.
3. Touch each message thread you want to delete, or touch **Select all**.
4. Touch **Done**.

Message Search

You can search through your messages by using the Message Search feature.

1. From a Home screen panel, touch **Messages**.
2. Touch **Search**.
3. Enter a word or phrase to search for and touch .

Messages Settings

Configure options for text messages, multimedia messages, Voice mails, and Push messages.

1. From a Home screen panel, touch **Messages** ➔ ➔ **Settings**.
2. The following Messages settings are available:
   - **Default messaging app**: Select your preferred messaging application.
   - **Display**: Configure the display properties for messages.
     - **Bubble style**: Choose from several bubble styles for your messages. Bubbles are the rounded boxes that surround each message.
     - **Background style**: Choose from several background styles for your messages.
     - **Change font size**: Change the text size by using the up or down Volume key.
   - **Quick responses**: Edit or add new Quick responses to use in your messages.
   - **Text messages**: Configure your text (SMS) settings.
     - **Delivery reports**: Request a notification about whether or not your message was delivered.
     - **Auto combination**: Re-assembles multi-segment messages so they can be shown as a single message.
   - **Multimedia messages**: Configure your multimedia (MMS) settings.
     - **Group conversation**: Send a single message to multiple recipients.
     - **Delivery reports**: Request a notification about whether or not your message was delivered.
     - **Auto retrieve**: Automatically retrieve new messages from the network.
     - **Roaming auto retrieve**: Automatically retrieve new messages while roaming.
     - **MMS alert**: Receive an alert when the message mode changes from an SMS (text) to MMS (multimedia) mode.

- **Delete old messages**: Delete old messages when a maximum number of messages is reached.
  - **Text message limit**: Set the maximum number of messages per conversations to keep.
  - **Multimedia message limit**: Set the maximum number of messages per conversations to keep.
- **Priority senders**: Enable the priority sender feature.
- **Notifications**: Display message notifications on the Status bar.
- **Emergency alerts**: Receive wireless emergency alerts from the Commercial Mobile Alerting System (CMAS). For more information, refer to *"Emergency Alerts"* on page 80.
- **Signature**: Configure message signatures. Touch and slide the slider to the right to turn it on .
  - **Edit signature**: Enter a signature for your message.
- **Spam filter**: Configure spam settings:
  - **Add to spam numbers**: Manually enter or assign a phone number as being sent from a spam source.
  - **Add to spam phrases**: Assign a specific text phrase as belonging to a spam message.
  - **Block unknown senders**: Block incoming messages from unknown senders.
- **Delay message sending**: Set a time delay limit that determines how long messages are held until they are sent. This will allow you to cancel the delivery of a recent message.
- **Safe mode**: Set security parameters for messages.
  - **Allow access to all links**: All links in messages to be followed.
  - **Potential threat alerts**: Receive notifications when applications with the authority to send or receive messages are installed.

Emergency Alerts

This device is designed to receive wireless emergency alerts from the Commercial Mobile Alerting System (CMAS) which may also be known as the Personal Localized Alerting Network (PLAN). If your wireless provider has chosen to participate in CMAS/PLAN, alerts are available while in the provider's coverage area. If you travel outside your provider's coverage area, wireless emergency alerts may not be available. For more information, please contact your wireless provider.

Emergency Alerts allows customers to receive geographically-targeted messages. Alert messages are provided by the US Department of Homeland Security and will alert customers of imminent threats to their safety within their area. There is no charge for receiving an Emergency Alert message.

There are three types of Emergency Alerts:

- Alerts issued by the President
- Alerts involving imminent threats to safety of life (Extreme and Severe)
- AMBER Alerts (missing child alert)

Note: Alerts issued by the President can not be disabled.

Disable Imminent Threats and AMBER Alerts

Customers may choose not to receive Imminent Threats (Extreme and Severe) and AMBER Alerts.

1. From a Home screen panel, touch **Messages**.
2. Touch → **Settings** → **Emergency alerts**.
3. Touch **Emergency alerts**.
4. All alerts are enabled by default (checkmark showing). Touch on an alert option to disable the alert.

Emergency Alert Options

1. From a Home screen panel, touch **Messages**.
2. Touch → **Settings** → **Emergency alerts**.

- **Emergency alerts**: Select which alerts to receive.
- **Emergency notification preview**: Play the emergency alert tone so you will know what to expect when an alert is received.
- **Vibrate**: Enable vibration with Emergency alerts.
- **Alert reminder**: Receive reminders about the alert.

Section 6: Changing Your Settings

This section explains the settings used for customizing your device.

Accessing Settings

- From any Home screen panel, touch **Apps** ➔ **Settings**.

  The **Settings** screen displays.

Settings Categories

The Settings are divided into 9 main categories. When the Settings screen displays, the following 9 category headings are listed. Scroll down to view all of the headings:

- **QUICK SETTINGS**: The settings most frequently used by the average person. You can modify your Quick settings so your most frequently used settings are at the top of the list. For more information, refer to *"Quick Settings"* on page 82.
- **NETWORK CONNECTIONS**: All of the settings related to the connection of your device to external sources.
- **CONNECT AND SHARE**: All of the settings that are related to sharing information with other devices.
- **SOUND AND DISPLAY**: The settings related to the sounds, colors, display appearance, and notifications on your phone.
- **PERSONALIZATION**: Allows you to customize your phone the way you like it.
- **MOTION**: Settings for the different motions and gestures you can use to make using your phone easier.
- **USER AND BACKUP**: All of the settings used for accounts, backing up your phone, and resetting your phone.
- **SYSTEM**: These settings concerned with setting up the system on your phone.
- **APPLICATIONS**: The settings used for managing your applications.

Note: The settings for your device are described in this section in the order that they appear within the Settings menu, with the exception of the Quick settings.

Searching the Settings

If you are not sure exactly where to find a certain setting, you can use the Setting search feature.

1. From the **Settings** screen, touch .
2. Enter a word or words in the Search box. As you type, settings that match will appear on the screen.
3. Touch an entry to go to that setting.

Note: If the word you entered does not find any matches, **No results found** will be displayed.

Quick Settings

Quick settings are all of the settings that you are most likely to use frequently. When you first access the **Settings** menu, the Quick settings are set to a default list of settings.

- **Wi-Fi** (See *"Wi-Fi"* on page 139.)
- **Bluetooth** (See *"Bluetooth"* on page 83.)
- **Airplane mode** (See *"Airplane Mode"* on page 84.)
- **Data Usage** (See *"Data Usage"* on page 85.)
- **Sound** (See *"Sound Settings"* on page 89.)
- **Display** (See *"Display Settings"* on page 91.)
- **Wallpaper** (See *"Wallpaper"* on page 93.)
- **Lock screen** (See *"Lock Screen Settings"* on page 93.)
- **Notification panel** (See *"Notification Panel"* on page 95.)
- **Finger Scanner** (See *"Finger Scanner"* on page 100.)
- **Safety assistance** (See *"Safety Assistance"* on page 113.)
- **Power saving** (See *"Power Saving Mode"* on page 115.)

Changing the Quick Settings

To change the Quick settings list to include your most frequently used settings, follow these steps:

1. From the **Settings** screen, touch ➔ **Edit quick settings**.
2. Scroll thru all of the settings and touch the settings icons that you want in your Quick settings menu. The settings that are already in the Quick settings menu are highlighted. Touch a highlighted item to remove it from the Quick settings menu.
3. Touch **Save** to save your new Quick settings menu.

Wi-Fi

Wi-Fi is a wireless networking technology that provides access to local area networks.

Wi-Fi communication requires access to an existing Wi-Fi network. Wi-Fi networks can be Open (unsecured), or Secured (requiring you to provide login credentials).

Your device supports the 802.11 a/b/g/n/ac Wi-Fi protocols.

For information on how to use Wi-Fi, see *"Wi-Fi"* on page 139.

Wi-Fi Direct

Wi-Fi Direct allows device-to-device connections so you can transfer large amounts of data over a Wi-Fi connection.

For more information, refer to *"Wi-Fi Direct"* on page 142.

Bluetooth

Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number of Bluetooth devices, such as headsets and hands-free car kits, and Bluetooth-enabled handhelds, computers, printers, and wireless devices. The Bluetooth communication range is usually up to approximately 30 feet.

For information on how to use Bluetooth, see *"Bluetooth"* on page 143

Tethering and Wi-Fi Hotspot

This option allows you to share your phones's mobile data connection via USB or as a portable Wi-Fi hotspot.

Mobile Hotspot

This feature allows you to turn your device into a Wi-Fi hotspot, allowing you to provide Internet connectivity to multiple devices. The feature works best when used in conjunction with 4G/LTE data services (although 3G service can also be used).

For more information, refer to *"Mobile Hotspot"* on page 148.

USB Tethering

This option allows you to share your device's mobile data connection via a direct USB connection between your device and a single computer.

For more information, refer to *"USB Tethering"* on page 147.

Bluetooth Tethering

This option allows you to share your device's mobile data connection via a Bluetooth connection.

For more information, refer to *"Bluetooth Tethering"* on page 147.

Airplane Mode

Airplane mode allows you to use many of your phone's features, such as Camera, Games, and more, when you are in an airplane or in any other area where making or receiving calls or data is prohibited.

Important! When your phone is in Airplane Mode, it cannot send or receive any calls or access online information or applications.

1. From the **Settings** screen, under **NETWORK CONNECTIONS**, touch **Airplane mode**.
2. Touch **OFF/ON** to turn the feature on.

   The Airplane mode icon is displayed at the top of your screen.

Data Usage

From this screen you can view your Mobile data usage and turn your Mobile data capability On or Off.

1. From the **Settings** screen, under **NETWORK CONNECTIONS**, touch **Data usage**.
2. Touch **Mobile data** to create a checkmark and turn Mobile data usage on.
3. Touch **Set mobile data limit** to create a checkmark and allow a data limit to be set.
4. Touch and drag the orange limit bar to the GB limit that you desire.
5. Touch the **Data usage cycle** drop-down menu and select a date.

   The data usage displays as a visual (chart) and also displays a list of each application with a breakdown of how much data was used per application.

Note: Data is measured by your device. Your service provider may account for data usage differently.

6. Touch to display additional options. Touch to activate.
   - **Data roaming**: enables data roaming on your device.
   - **Restrict background data**: restricts some apps and services from working unless you are connected to a Wi-Fi network.
   - **Auto sync data**: allows your accounts to automatically sync
   - **Show Wi-Fi usage**: displays a Wi-Fi tab that shows Wi-Fi usage.
   - **Mobile hotspots**: displays available mobile hotspots.

Location

The Location settings allow you to set up how the phone will determine your location and the sensor settings for your phone.

1. From the **Settings** screen, under **NETWORK CONNECTIONS**, touch **Location**.
2. The menu is separated into various sections:
   - **Mode**: Choose a location mode. Each mode enables different technologies and affects both the accuracy of the location and battery usage.
   - **RECENT LOCATION REQUESTS**: Display services that have recently requested your location information.
   - **Google Location Reporting**: Report your location to apps and web sites that request it, provided you have given approval. With **Location History** set to on, the 100 most recent locations are saved.
   - **My places**: Add location information for your Home, Office, and Car.

More Networks

This option displays additional Connectivity information.

- From the **Settings** screen, under **NETWORK CONNECTIONS**, touch **More networks**.

Default Messaging App

Choose the default messaging app that you use to send all of your messages.

- From the **Settings** screen, under **NETWORK CONNECTIONS**, touch **More networks** ➔ **Default messaging app** and make a selection.

Mobile Networks

Set options for network selection and data service.

Before you use applications such as Google Maps and find your location or search for places of interest, you must enable the Mobile networks options.

Important! Depending on your service plan, changes you make to mobile networks settings may incur extra charges. Consult your service provider for more information.

1. From the **Settings** screen, under **NETWORK CONNECTIONS**, touch **More networks** ➔ **Mobile networks**.
2. Set these options:
   - **Mobile data**: Enable or disable your device's connection to the mobile data network. You can also control this setting on the Notification panel with the Mobile data button.
   - **Data Roaming**: Enable connections to data services when your device is roaming on another network.
   - **System select**: Changes the CDMA roaming mode. Select **Home only** or **Automatic**.

VPN Settings

Set up and manage Virtual Private Networks (VPN).

For more information, refer to *"VPN Settings"* on page 150.

NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as Android Beam and S Beam.

For more information, refer to *"NFC"* on page 151.

Android Beam

When Android Beam is activated, you can beam app content to another NFC-capable device by holding the devices close together. You can beam browser pages, YouTube videos, contacts, and more.

For more information, refer to *"Android Beam"* on page 151.

S Beam

When S Beam is activated, you can beam files to another NFC-capable device by holding the devices close together. You can beam images and videos from your Gallery, music files from your Music app, and more.

For more information, refer to *"S Beam"* on page 152.

Tap and Pay

Tap and pay allows you to select the default payment application you want to use for making online purchases.

For more information, refer to *"Tap and Pay"* on page 152.

Nearby Devices

This option allows you to share your media files with nearby devices using Wi-Fi, Wi-Fi Direct, and Wi-Fi hotspot.

For more information, refer to *"Nearby Devices"* on page 152.

Printing

With the Printing option, you can set your device to print on compatible Samsung Wi-Fi printers.

1. From the **Settings** screen, under **CONNECT AND SHARE**, touch **Printing**.
2. Touch an available print services and follow the onscreen instructions.
3. Touch to install additional print services from the Google Play Store.

Screen Mirroring

The Screen Mirroring feature allows you to share the media files on your device screen with an HDMI device, such as an HDMI TV.

Note: This feature requires the optional AllShare Cast dongle which is available as an accessory. Contact your service provider for more information.

1. Connect the optional AllShare Cast dongle to the HDMI device using an HDMI A-to-A cable (not included).
2. From the **Settings** screen, under **CONNECT AND SHARE**, touch **Screen Mirroring**.
3. Your device will scan for available devices.
   - Touch **Scan** to find more devices.
4. Touch a device and follow the prompts to set up Screen Mirroring.

Sound Settings

From this menu you can control the sounds on the phone.

- From the **Settings** screen, under **SOUND AND DISPLAY**, touch **Sound**.

The following options display:

Sound Mode

Sound mode allows you to select Sound, Vibrate, or Mute to be used for all sounds.

1. From the **Settings** screen, under **SOUND AND DISPLAY**, touch **Sound** ➔ **Sound mode**.
2. Select the option that you would like to use for all of your sounds. Choose from: Sound, Vibration, or Mute.

Volume

The Volume option allows you to change the volume for all phone sounds in one easy location.

1. From the **Settings** screen, under **SOUND AND DISPLAY**, touch **Sound** ➔ **Volume**.
2. Touch and drag the sliders to adjust the sound volume for the various options.

Vibration Intensity

Vibration intensity allows you to select how intense the vibration is for different options.

1. From the **Settings** screen, under **SOUND AND DISPLAY**, touch **Sound** ➔ **Vibration intensity**.
2. Touch and drag the slider to adjust the Vibration intensity for the various options.

Ringtones

This option allows you to set the ringtone.

1. From the **Settings** screen, under **SOUND AND DISPLAY**, touch **Sound**.
2. Touch **Ringtones**.
3. Touch a ringtone and touch **OK**.
   – or –
   Touch **Add** to select a file from your music files.

Vibrations

This option allows you to set your phone to vibrate and ring.

1. From the **Settings** screen, under **SOUND AND DISPLAY**, touch **Sound** ➔ **Vibrations**.
2. Select a vibration pattern and touch **OK**.
   – or –
   Touch **Create** and follow the onscreen instructions to create your own vibration.

Notifications

This option allows you to set the ringtone that will sound for notifications and alarms.

1. From the **Settings** screen, under **SOUND AND DISPLAY**, touch **Sound** ➔ **Notifications**.
2. Touch a ringtone and touch **OK**.

Vibrate When Ringing

This option allows you to enable your phone to vibrate whenever it rings.

1. From the **Settings** screen, under **SOUND AND DISPLAY**, touch **Sound** ➔ **Vibrate when ringing** to create a checkmark and enable the feature.

System Tone Settings

The System tone settings are used when you use the dialing pad, make a screen selection, lock your screen, or touch the screen.

1. From the **Settings** screen, under **SOUND AND DISPLAY**, touch **Sound**.
2. Under **FEEDBACK**, touch any of the following options to create a checkmark and activate the feature:
   - **Dialing keypad tone**: Play a sound when you touch a key on the keyboard.
   - **Touch sounds**: Play a sound when you touch the screen.
   - **Screen lock sound**: Play a sound when your screen is locked or unlocked.
   - **Haptic feedback**: Vibrate when you touch soft keys and on certain UI interactions.
   - **Emergency tone**: Play a sound for emergency alerts.

Samsung Application Sound Settings

This section describes how to modify sound settings associated with several frequently used apps.

1. From the **Settings** screen, under **SOUND AND DISPLAY**, touch **Sound**.
2. Under **SAMSUNG APPLICATIONS**, touch one of the following apps to access the settings:
   - **Call**: Configure settings for call alerts, ringtone and sound settings, and Voicemail sound settings.
   - **Messages**: Configure settings for the Messaging app.
   - **Email**: Configure settings for your Email accounts.
   - **Calendar**: Configure settings for event notification in your Calendar app.
3. Follow the onscreen instructions to update your app sound settings.

Music Effects

Music effects allows you to set the Music effects control panel that will be used when you play music on your phone.

1. From the **Settings** screen, under **SOUND AND DISPLAY**, touch **Sound** ➔ **Music effects**.
2. Select the option that you would like to use for your Music effects control panel.

Display Settings

In this menu, you can change various settings for the display.

- From the **Settings** screen, under **SOUND AND DISPLAY**, touch **Display**.

  The following options display:

  - **Brightness**: Configure the LCD Brightness levels. Touch **Automatic brightness** to allow the phone to self-adjust or drag the slider and touch **OK**.
  - **Font**: Set the font style and font size that your phone will use. You can also touch **Get fonts** online to choose from a wider selection.
  - **Screen rotation**: Switch the display orientation automatically when you rotate the phone.

- **Smart stay**: Set the screen to remain on as long as you are looking at it.
- **Screen timeout**: Adjust the delay time before the screen automatically turns off.
- **Screen mode**: Select from several different screen modes that affect the color and sharpness of your display.
- **Auto adjust screen tone**: Save power because the phone analyzes the displayed screen image and adjusts the LCD brightness.
- **Daydream**: Control what your screen displays when your device is docked or sleeping. You can choose to display patterns of colors or photos stored on your phone. Touch **OFF/ON** to turn the feature on. Options are:
  - **Colors**: Display patterns of colors.
  - **Flipboard**: Display pictures from Flipboard. Touch for options.
  - **Google Photos**: Display pictures from your Google Photos account. Touch for options.
  - **Photo frame**: Display pictures in a photo frame. Touch for options.
  - **Photo table**: Display pictures in a photo table. Touch for options.
  - Touch **Preview** to start Daydream mode. Touch the screen to cancel.
- **LED indicator**: Configure how your LED lights can be used as indicators.
- **Touch key light duration**: Adjust the delay before the Touch key light automatically turns off.
- **Increase touch sensitivity**: Adjust the touch sensitivity of the screen when using your device while wearing gloves.

Wallpaper

You can change the Wallpaper (background) of your home and lock screens by following these steps:

1. From the **Settings** screen, under **SOUND AND DISPLAY**, touch **Wallpaper**.
2. Select the screen or screens that you would like to modify. Select **Home screen**, **Lock screen**, or **Home and lock screens**.
3. Scroll through the wallpaper thumbnails and touch one to preview it. Touch **More images** to use your own pictures.
4. Touch **Set wallpaper**.

Lock Screen Settings

Choose settings for unlocking your screen. For more information about using the lock and unlock features, see *"Locking and Unlocking the Touch Screen"* on page 12.

Screen Lock

1. From the **Settings** screen, under **SOUND AND DISPLAY**, touch **Lock screen**.
2. Touch **Screen lock** for these options then follow the onscreen instructions to set up your Screen lock:
   - **Swipe**: Swipe the screen to unlock it.
   - **Pattern**: A screen unlock pattern is a touch gesture you create and use to unlock your device. Follow the prompts to create or change your screen unlock pattern.
   - **Fingerprint**: You can select any finger and use the fingerprint to unlock your screen. Place your finger in the marked area and repeatedly move your finger down over the home key until the bar reaches 100%.
   - **PIN**: Select a PIN to use for unlocking the screen.
   - **Password**: Create a password for unlocking the screen.
   - **None**: No action is required. The screen will never lock.

Lock Screen Options

Activate or deactivates various Unlock screen functions.

Note: The Lock screen options will differ depending on what type of Screen Lock you have selected.

1. From the **Settings** screen, under **SOUND AND DISPLAY**, touch **Lock screen**.
2. The following options are available depending on the Screen Lock type that you have selected:
   - **Dual clock**: Display a dual clock on your lock screen when roaming.
   - **Clock size**: Select the size of the clock that will appear on your lock screen.
   - **Pattern type**: Select the colors used to display the unlock pattern. (Pattern option only)
   - **Show date**: Display the date on your lock screen.
   - **Camera shortcut**: Display a camera shortcut icon on your lock screen.
   - **Owner information**: Display information about you on the lock screen.
   - **Unlock effect**: Display the animated effect you choose when you unlock the display. (Swipe option only)
   - **Additional information**: Display information about the weather and the steps you take while Pedometer (from the S Health app) on your lock screen.
   - **Help text**: Show help information on the Lock screen. (Swipe option only)
   - **Make pattern visible**: Display the pattern as you draw it (Pattern and Fingerprint options only).
   - **Vibration feedback**: Vibrate if you enter a wrong pattern. (Pattern and Fingerprint options only)
   - **Lock automatically**: Set a timeout for lock screen. (Pattern, Fingerprint, PIN, and Password options only)
   - **Lock instantly with power key**: Lock the screen instantly by press the **Power/Lock key**. (Pattern, Fingerprint, PIN, and Password options only)

Multi Window

The Multi window feature allows you to run multiple applications on the current screen at the same time. For more information, refer to *"Using the Multi Window"* on page 36.

1. From the **Settings** screen, under **SOUND AND DISPLAY**, touch **Multi window**.
2. Touch **OFF/ON** to turn the feature on.
3. Touch **Open in multi window view** to automatically have Multi window activated whenever you open files from My Files, Video, or any attachments from emails or messages.
4. From any screen, press and hold **Back** to show or hide the Multi window tray.

Notification Panel

The Notification panel includes a pull-down list to show information about processes that are running, recent notifications, and alerts.

- From the **Settings** screen, under **SOUND AND DISPLAY**, touch **Notification panel**.

  For more information, refer to *"Notification Panel"* on page 34.

Toolbox

This feature allows you to customize a quick access feature that hold up to five frequently used application shortcuts. Once activated, this onscreen button can be placed anywhere. This button appears on top of screens and can only be disabled via either the Notifications Panel or via the Toolbox screen.

For more information, refer to *"Customizing the Toolbox"* on page 26.

To activate the Toolbox:

1. From the **Settings** screen, under **SOUND AND DISPLAY**, touch **Toolbox**.
2. Touch **OFF/ON** to turn the feature on. The slider color indicates the activation status. When activated, the **Toolbox access** button appears on the current screen.

– or –

1. From the Notification panel, touch (**Open Grid view**) to display additional functions.
2. Toggle on **Toolbox** (turns green).

To deactivate the Toolbox:

1. From the **Settings** screen, under **SOUND AND DISPLAY**, touch **Toolbox**.
2. In a single motion touch and slide the **Toolbox** slider to the right to turn it off.

– or –

1. From the Notification panel, touch (**Open Grid view**) to display additional functions.
2. Toggle off **Toolbox** (turns grey).

To customize the Toolbox applications:

1. From the active Toolbox screen, touch **Edit**.
2. Place a check mark alongside up to five applications. These will be quickly accessible via the on-screen button.
3. Touch **Save** once you have completed the assignment of your applications.

One-Handed Operation

The One-handed operation settings help you to use your phone keypads easily with only one hand.

1. From the **Settings** screen, under **SOUND AND DISPLAY**, touch **One-handed operation**.
2. Touch **OFF/ON** to turn the feature on.

Easy Mode

This application allows you to see your display using the default layout or provide an easier user experience for the first-time smartphone users using **Easy mode**.

1. From the **Settings** screen, under **PERSONALIZATION**, touch **Easy mode**.
2. Touch the **Easy mode** radio button to activate it.
3. Under **EASY APPLICATIONS**, applications that are affected by Easy mode are checked. Touch any application to uncheck if you want the standard display for that application.

Accessibility

Accessibility services are special features to make using the device easier for those with certain physical disabilities. Use the Accessibility settings to activate these services.

Note: You can download accessibility applications from Play Store and manage their use here.

1. From the **Settings** screen, under **PERSONALIZATION**, touch **Accessibility**.
2. The following options are available:
   - **Vision**:
     - **TalkBack**: Activate the TalkBack feature. TalkBack, when installed and enabled, speaks feedback to help blind and low-vision users.
     - **Dark screen**: Keep your screen turned off at all times until you double press the Power key to turn the feature off. The TalkBack feature must be enabled.
     - **Rapid key input**: Release your finger rather than double touching to enter a selection when using the TalkBack feature.

– **Speak passwords**: Read aloud password information. The TalkBack feature must be enabled.
– **Font size**: Change the size of the fonts used on the device within menus, options, etc. Choose from: Tiny, Extra small, Small, Medium, Large, Extra large, or Huge.
– **Magnification gestures**: Use exaggerated gestures such as triple-touching, double pinching, and dragging two fingers across the screen.
– **Notification reminder**: Play a beep when you have unread notifications.
– **Negative colors**: Reverse the display of onscreen colors from White text on a Black background to Black text on a White background.
– **Color adjustment**: Adjust the display colors if you are color blind and have difficulty reading the display because of the colors.
– **Accessibility shortcut**: Quickly enable accessibility features in 2 quick steps.
– **Text-to-speech options**: Adjust your text-to-speech settings.

• **Hearing**:
– **Flash notification**: Set your camera light to blink whenever you receive a notification.
– **Turn off all sounds**: Mute every sound made by the device during touches, selections, notifications, etc.
– **Hearing aids**: Improve the sound quality of your device for use with hearing aids.
– **Samsung subtitles (CC)**: Turn on subtitles when using applicable Samsung apps.
– **Google subtitles (CC)**: Turn on subtitles when using applicable Google apps.
– **Sound balance**: Set the Left and Right balance when using a stereo device.
– **Mono audio**: Enable stereo audio to be compressed into a single mono audio stream for use with a single earbud/earphone.
– **Baby crying detector**: Vibrate when a crying baby is detected.
– **Auto haptic**: Vibrate in response to the sounds of downloadable apps such as games. Some apps do not support this feature.

- **Dexterity and interaction**:
  - **Assistant menu**: Improve the device accessibility for users with reduced dexterity.
  - **Air wake up**: Turn on your screen by waving your hand over the device when it is lying face up.
  - **Smart scroll**: The screen will scroll depending on the phone's tilt angle once your eyes have been detected.
  - **Press and hold delay**: Select a time interval for this action. Choose from: Short, Medium, Long, or Custom.
  - **Interaction control**: Enable or disable motions and screen timeout. You can also block areas of the screen from touch interaction.
- **Direct access**: Open the Accessibility settings menu by pressing the **Home key** 3 times in quick succession.
- **Answering and ending calls**: Configure the manner in which you accept incoming calls.
- **Single tap mode**: Dismiss or snooze alarms, calendar events and timer alerts, and answer or reject incoming calls with a single tap.
- **Manage accessibility**: Save and update your accessibility settings or share them with another device. You can export your settings, import a previously saved file, or share your file with another device.
- **No services installed**: Lists additional accessibility services (when such services are installed).

Blocking Mode

When Blocking mode is enabled, notifications for selected features will be disabled. You will only receive notifications of incoming calls from people on your allowed list.

1. From the **Settings** screen, under **PERSONALIZATION**, touch **Blocking mode**.
2. Touch **OFF/ON** to turn the feature on.

   Confirm that the Blocking mode active icon appears in the Status bar.
3. Check the features that you would like to disable.
4. Configure a timeframe for these features to be active. Uncheck **Always** field to configure the **From** and **To** time fields.
5. Touch **Allowed contacts** to assign those contacts that are exempted from these rules.

Private Mode

This feature allows you to hide personal content from being accessed by anyone else using your device.

1. From the **Settings** screen, under **PERSONALIZATION**, touch **Private mode**.
2. Touch **OFF/ON** to turn the feature on.
3. Select an unlock method and complete the associated set up process.
4. Confirm **Private Mode active** appears in the Notifications area.
5. Follow the online instructions to select content files for Private mode protection.
6. After marking content files for as Private mode, disable this mode to hide your Private mode content.
7. To show your hidden content, set **Private mode** to on. To access your Private mode content, unlock it using the method you selected in Step 3.

Finger Scanner

You can use the Finger Scanner feature as an alternative security method for certain actions and as your lock screen.

Note: In order for fingerprint recognition to function, your fingerprint information will be stored on your phone.

Registering Your Fingerprints

1. From the **Settings** screen, under **PERSONALIZATION**, touch **Finger Scanner**.
2. If you did not register your fingerprints when you first set up your phone, touch **Fingerprint manager**.
   - Touch on the finger or thumb that you would like to register.
   - Swipe your finger over the Home key from the first knuckle to the tip of the finger.
   - Continue to swipe your finger until the progress bar shows 100%.
3. Enter a password to use as an alternative in case your fingerprint is not read correctly.
4. Your fingerprint is now registered. Touch to return to the fingerprint screen.

5. The following options are available:
   - **Fingerprint manager**: Register more fingerprints or deregister fingerprints that are on your phone.
   - **Change alternative password**: Change your alternative password which is used in case your fingerprint is not recognized.
   - **Screen lock**: Sign into websites which support the remember passwords feature.
   - **Verify Samsung account**: Use your fingerpint instead of your password when signing onto your Samsung account.
   - **Pay with PayPal**: Link your PayPal account to your phone to make quick and secure payments using any of your registered fingerprints.

Motions and Gestures

The Motions and Gestures settings allow you to set up various Motion activation services.

- From the **Settings** screen, under **MOTION**, touch **Motions and gestures**.

Air Browse

Air browse allows you to scroll through pages or go to the next or previous item in a list by moving your hand up and down, or left and right above the sensor located at the middle top of your display.

1. From the **Settings** screen, under **MOTION**, touch **Motions and gestures** ➔ **Air browse**.
2. Touch **OFF/ON** to turn the feature on.
3. Check the applications that you would like to enable for use the Air browse feature.
4. When using a supported application, move your open hand across the screen to use Air browse.

Direct Call

With the Direct Call feature, your phone will dial the currently displayed onscreen Contact entry as soon as you place the device to your ear.

1. From the **Settings** screen, under **MOTION**, touch **Motions and gestures** ➔ **Direct call**.
2. Touch **OFF/ON** to turn the feature on.

Smart Alert

Once Smart alert is enabled, you can pickup the device to be alerted and notified if you have missed any calls or messages.

1. From the **Settings** screen, under **MOTION**, touch **Motions and gestures** ➔ **Smart alert**.
2. Touch **OFF/ON** to turn the feature on.

Mute/Pause

Pause any onscreen video or mute any current sound by simply covering the screen with your hand or turning it over. Once you remove your hand from the screen, the device continues to play the current video or unmutes the current sound.

1. From the **Settings** screen, under **MOTION**, touch **Motions and gestures** ➔ **Mute/pause**.
2. Touch **OFF/ON** to turn the feature on.
3. Touch the following methods that you want to use to Mute/Pause your phone:
   - **Covering screen with hand**: Place your hand on the screen to mute incoming calls and alarms, or to pause media while the screen is on.
   - **Turning device over**: Turn your phone over to mute incoming calls, message alerts, and alarms, or to pause media.
   - **Smart pause**: Use the front camera to detect if you are facing the screen and pauses a video when you look away.

Palm Swipe to Capture

Once enabled, you can capture any onscreen information by swiping across the screen. In a single motion, press the side of your hand on the screen and swipe form left to right.

1. From the **Settings** screen, under **MOTION**, touch **Motions and gestures** ➔ **Palm swipe to capture**.
2. Touch **OFF/ON** to turn the feature on.
3. You can find the captured screen in the Images section in My Files and in your Gallery.

Air View

Preview information when you hover your finger over the screen while using S Planner, Gallery, Video Player, and Phone.

1. From the **Settings** screen, under **MOTION**, touch **Air view**.
2. Touch **OFF/ON** to turn the feature on.

Accounts

This menu allows you to set up, manage, and synchronize your accounts.

- From the **Settings** screen, under **USER AND BACKUP**, touch **Accounts**.

Adding an Account

1. From the **Settings** screen, under **USER AND BACKUP**, touch **Accounts** ➔ **Add account**.
2. Touch one of the account types.
3. Follow the prompts to enter your credentials and set up the account.

Removing an Account

Important! Removing an account also deletes all of its messages, contacts, and other data from the device.

1. From the **Settings** screen, under **USER AND BACKUP**, touch **Accounts**.
2. Touch the account type.
3. Touch the account name.
4. Touch ➔ **Remove account**.

Synchronizing Accounts

Select the items you want to synchronize on your account such as Books, Calendar, Contacts, and more.

1. From the **Settings** screen, under **USER AND BACKUP**, touch **Accounts**.
2. Touch the account type.
3. Touch the account name.
4. Touch → **Sync now** to synchronize your account, or only touch the Sync items that you want to synchronize.
5. Touch → **Cancel sync** to stop the synchronization.

Note: Additional settings are available under the account name of each account depending on the type of account.

Cloud

Configure options for synchronizing and backing up your data using online storage.

1. From the **Settings** screen, under **USER AND BACKUP**, touch **Cloud**.
2. Touch **Add Samsung account** to sign in to your Samsung Account or create a new account. You can sync Contacts, Calendar, Memo, and Internet data. You can also back up logs, text messages, multimedia messages, and other data.
3. Touch **Link Dropbox account** to sign in to your Dropbox account or set up a new account. Use Dropbox to sync pictures, videos, and documents.

Back Up and Reset

Back up your data, back up accounts, automatically restore your phone, and reset your phone settings to the factory settings.

- From the **Settings** screen, under **USER AND BACKUP**, touch **Backup and reset**.

Back Up My Data

By setting this option, the Google server will back up all of your settings and data.

1. From the **Settings** screen, under **USER AND BACKUP**, touch **Backup and reset**.
2. Touch **Back up my data** to enable or disable back up of application data, WI-Fi passwords, and other settings to the Google server.

Backup Account

If you have enabled the **Back up my data** option, then the **Backup account** option is available.

1. From the **Settings** screen, under **USER AND BACKUP**, touch **Backup and reset**.
2. Touch **Backup account** and touch your Google Gmail account or touch **Add account** to set your Google Gmail account to be backed up to the Google server.

Automatic Restore

By setting this option, when you reinstall an application, all of your backed up settings and data will be restored.

1. From the **Settings** screen, under **USER AND BACKUP**, touch **Backup and reset**.
2. Touch **Automatic restore** to enable or disable automatic restoration of settings from the Google server.

Factory Data Reset

Reset your phone and sound settings to the factory default settings.

1. From the **Settings** screen, under **USER AND BACKUP**, touch **Backup and reset**.
2. Touch **Factory data reset**.
3. Touch **Reset device** and follow the prompts.

Warning! Performing a Factory data reset will erase all data from your phone and internal SD card, including your Google account, system and application data and settings, and downloaded applications. It will not erase current system software, pre-loaded applications, and external SD card files such as music and photos.

Language and Input

This menu allows you to configure the language in which to display the menus. You can also set onscreen keyboard options.

- From the **Settings** screen, under **SYSTEM**, touch **Language and input**.

Language

You can change the language used by your device by following these steps:

1. From the **Settings** screen, under **SYSTEM**, touch **Language and input** ➔ **Language**.
2. Touch a language from the list.

Keyboards and Input Methods

You can change the keyboard used by your device by following these steps:

1. From the **Settings** screen, under **SYSTEM**, touch **Language and input**.
2. Touch **Default** and select a keyboard.

   Select Samsung keyboard or Swype.
3. Touch the icon next to the input method that you would like to configure the settings for.

Samsung Keyboard Settings

From this menu you can set Samsung keyboard options.

1. From the **Settings** screen, under **SYSTEM**, touch **Language and input**.
2. Touch the icon next to **Samsung keyboard**.
3. Set any of the following options:

INPUT LANGUAGES *settings are used to set up the default language you will be using for input.*

- **English(US)** is the default language. Whatever language you select in the Select input languages option below, will be displayed here.
- **Select input languages** sets the input language. Touch a language from the available list. The keyboard is updated to the selected language.

SMART TYPING *settings provide access to additional typing settings.*

- **Predictive text** suggests words matching your text entries, and complete common words automatically. See *"Predictive Text Settings"* on page 108.
- **Auto replacement** automatically completes or replaces the current word with the most probable word match after touching the space bar or entering a punctuation mark.
- **My hot keys** creates number key shortcuts to enter predefined words or phrases more quickly.
- **Auto capitalization**: Capitalize the first letter of the first word in each sentence (standard English style).
- **Auto spacing**: Insert space between words.
- **Auto punctuate**: Insert a full stop (period) in a sentence by touching the space bar twice when using the onscreen QWERTY keyboard.
- **Keyboard swipe**: Combine the Samsung keyboard with an additional input method choose from:
  - **None**: Enter text via the onscreen keyboard only.
  - **SwiftKey Flow**: Enter text by sliding your fingers across the onscreen keyboard.
  - **Cursor control**: Control your cursor by moving your finger across the keyboard.
  - **Flick input**: Flick upwards on a key to view symbols and alternative characters.

KEY-TAP FEEDBACK *provides feedback functions to be enabled such as:*

- **Sound**: Play a tone when you touch an onscreen key.
- **Vibration**: Vibrate when you touch an onscreen key.
- **Character preview**: Provide an automatic preview of the current character selection within the text string. This is helpful when multiple characters are available within one key.
- **Press and hold delay**: Select a time interval for this action. Choose from: Short, Medium, Long, or Custom.

MORE SETTINGS *provides access to additional access to more settings.*

- **Reset settings**: Reset the keyboard settings back to their original configuration.

Predictive Text Settings

From this menu you can set Predictive Text settings.

1. From the **Settings** screen, under **SYSTEM**, touch **Language and input**.
2. Touch the icon next to **Samsung keyboard**.
3. Touch **Predictive text**.
4. Touch **OFF/ON** to turn the feature on.
5. The following options are available:
   - **Live word update**: Automatically update its word database with popular new words every day.
   - **Personalized data**: Use personal language that you have added to make your prediction results better.
   - **Learn from Facebook**: Login to your Facebook account so your phone can learn your Facebook style.
   - **Learn from Gmail**: Login to your Gmail account so your phone can learn your Gmail style.
   - **Learn from Twitter**: Login to your Twitter account so your phone can learn your Twitter style.
   - **Learn from Messages**: Learn phrases from your messages.
   - **Learn from Contacts**: Learn names from your Contacts.
   - **Clear server data**: Delete anonymous data that is stored on the personalization server.
   - **Clear personal data**: Remove all personalized data that you have entered.
   - **Privacy policy**: Read the Predictive text privacy policy.

Swype Keypad Settings

To configure Swype settings:

1. From the **Settings** screen, under **SYSTEM**, touch **Language and input**.
2. Touch the icon next to **Swype**.
3. Touch **Settings** on the left side of the screen to alter these settings:
   - **Vibrate on keypress**: Vibrate as you enter text.
   - **Sound on keypress**: Play tones as you enter text.
   - **Pop-up on keypress**: Display the character above the key when typing.
   - **Long-press delay**: Set the time needed to select alternate characters.
   - **Show complete trace**: Display the complete path as you Swype.
   - **Auto-capitalization**: Automatically capitalize the first letter of every sentence.
   - **Auto-spacing**: Automatically insert a space between words. When you finish a word, just lift your finger or stylus and start the next word.
   - **Next word prediction**: Predict the next word in your text string based on your current text entries.
   - **Show Voice key**: Display the Voice icon on your Swype keyboard so you can use the Voice input option.
4. Touch **Themes** on the left side of the screen to access the following options:
   - **Portrait keyboard**: Set the Portrait keyboard to Full screen, Mini left, or Mini right.
   - **Landscape keyboard**: Set the Landscape keyboard to Full screen, Mini left, Mini right, or split.
   - **Keyboard height**: Set the keyboard height in both Portrait and Landscape modes.
   - **Word choice list font size**: Change the font size in the word choice list.
5. Touch **My Words** on the left side of the screen to access the following options:
   - **Backup & Sync**: Back up your Swype dictionary and sync your Swype dictionary across multiple devices.
   - **Living Language**: Automatically update your Swype dictionary with popular new words.

- **Social integration**: Learn information from your Facebook, Twitter, and Gmail accounts to help you while using Swype.
- **Edit my dictionary**: Edit your personal Swype dictionary.
- **Clear language data**: Delete all of your personal language data, including your words.
- **Contribute usage data**: Allow the Nuance application to collect usage data for better word predictions.
- **Cellular data**: Enable cellular data usage by the Swype application so it can receive program updates, language downloads, and other related features via your existing data connection.

6. Touch **Languages** to select the current text input language. The default language is English. Touch **Download languages** to download additional languages.
7. Touch **Gestures** to view helpful information on using gestures while using Swype.
8. Touch **Help** for the following options:
   - **How to Swype**: View tips on using Swype.
   - **Show helpful tips**: Display helpful tips and hints as you are using Swype.
   - **Version**: Display the software version information.
9. Touch **Updates** to download any new Swype updates. If an update is available, it will display under the updates heading.

Google Voice Typing Settings

From this menu you can set Samsung keyboard options.

1. From the **Settings** screen, under **SYSTEM**, touch **Language and input**.
2. Touch the icon next to **Google voice typing**.
3. The following options are available:
   - **Choose input languages**: Set the input language. Select **Automatic** to use the phone's default language or select a language from the list.
   - **Block offensive words:** Block recognized offensive words from the results of your Google typing.
   - **Offline speech recognition**: Enable voice input while offline.

Speech Settings

This menu allows you to set the speech settings for Voice input.

1. From the **Settings** screen, under **SYSTEM**, touch **Language and input**.
2. Touch **Voice search** to configure the following:
   - **Language**: Choose a language for your voice input.
   - **Speech output**: Set whether you will use speech output always or only when using hands-free.
   - **Block offensive words**: Block recognized offensive words from the results of your Google searches.
   - **Hotword detection**: Speak “Ok Google” to launch a voice search.
   - **Offline speech recognition**: Enable voice input while offline.
   - **Personalized recognition**: Improve speech recognition based on your speech pattern. (This option requires a Google Account.)
   - **Google Account dashboard**: View and manage your collected data. (This option requires a Google Account.)
   - **Bluetooth headset**: Record audio through a Bluetooth headset if available.
3. Touch **Text-to-speech options** and select **Samsung text-to-speech engine** or **Google Text-to-speech Engine**.
4. Touch next to the preferred TTS engine to configure options:

Samsung TTS Engine options

- **Language**: Set the language for spoken text.
- **Settings for Samsung text-to-speech engine**: Select a voice.
- **Install voice data**: Install voice data for speech synthesis.

Google TTS Engine options

- **Language**: Set the language for spoken text.
- **Settings for Google Text-to-speech Engine**:
  - **Auto-update voices**: Download voices data updates when available.
  - **Update voices over Wi-Fi only**: Download voices data updates using Wi-Fi only.
  - **View Open Source Licenses**: View license information for the Google TTS Engine.
- **Install voice data**: Install voice data for speech synthesis.

5. General TTS options:
   - **Speech rate**: Set the speed at which the text is spoken.
   - **Listen to an example**: Play a sample of speech synthesis (available if voice data is installed).
   - **Default language status**: Displays whether or not the default language is supported.

Read Notifications Aloud

Read new notifications aloud for incoming calls, messages, and emails, as well as caller or sender info.

1. From the **Settings** screen, under **SYSTEM**, touch **Language and input**.
2. Touch **Read notifications aloud**, and then choose which notifications to be read aloud.

Pointer Speed

This option sets your Pointer speed for your mouse or trackpad when you are using a keyboard dock accessory (not included).

1. From the **Settings** screen, under **SYSTEM**, touch **Language and input**.
2. Touch **Pointer speed** then drag the slider to the right to go faster or to the left to go slower.
3. Touch **OK** to save your setting.

Date and Time

This menu allows you to change the current time and date displayed.

1. From the **Settings** screen, under **SYSTEM**, touch **Date and time**.
2. Touch **Automatic date and time** to allow the network to set the date and time.

   – or –

   Touch **Set date** and touch the up and down arrows to manually set the month, day, and year.

   Touch **Set time** and touch the up and down arrows to manually set the hour, minute, and PM/AM.
3. Touch **Automatic time zone** to allow the network to set the time zone.

   – or –

   Touch **Select time zone** to manually set a time zone.
4. Touch **Use 24-hour format to** display time in 24-hour format. If this is not enabled, the phone automatically uses a 12-hour format.
5. Touch **Select date format** and set the date format type.

Safety Assistance

Safety assistance is intended to help users send a quick notice of their approximate location and visual surroundings to the mobile device of an emergency contact chosen in advance.

Important! This feature is only for your convenience and is not intended as, or should it be treated as, a substitute for emergency calls to the authorities.

1. From the **Settings** screen, under **SYSTEM**, touch **Safety assistance**.
2. At the **Turn on Safety assistance** prompt, touch **OK**.

   The **Primary contacts** screen displays.
3. Touch **Create primary contact**.
4. Create a new contact or select from your existing contacts and touch **Save**.
5. Touch **Back** to return to the main Safety assistance screen.

6. From the main Safety assistance screen, the following options are available:
   - **Emergency mode**: Save power during an emergency by using a minimal home screen layout and limiting the number of usable apps.
   - **Geo News**: Receive alerts of natural disasters and extreme weather conditions occurring in your vicinity.
   - **Send help messages**: Send a quick notice of your approximate location and visual/auditory surroundings to the mobile phone of the Emergency contact that you have created. Touch the **Power key** three times in a row to send an emergency message to your emergency contact: You should still make an emergency call to the appropriate authorities if needed. The following options are available:
     - **Send pictures**: Pictures taken by the front and rear cameras will be sent to your emergency contact when an emergency has been declared.
     - **Send sound recording**: A sound recording will be sent to your emergency contact when an emergency has been declared.
   - **Manage primary contacts**: Create or modify your primary contact information.

Accessories

This menu allows you to modify your HDMI (audio) settings.

1. From the **Settings** screen, under **SYSTEM**, touch **Accessories**.
2. Touch **Audio output** to set your audio output to Stereo or Surround.

Battery

See how much battery power is used for device activities.

1. From the **Settings** screen, under **SYSTEM**, touch **Battery**.
2. Touch **Show battery percentage** to have the battery percentage displayed on your battery charge icon on your status bar.
3. The battery level displays in percentage. The amount of time the battery was used also displays. Battery usage displays in percentages per feature, function, or application.

   Touch one of the listed features, functions, or applications to view how it is affecting battery use.

Power Saving Mode

Power saving mode allows you to manage your phone to conserve power. You can select Power mode to limit performance on your phone to save power or select Ultra power saving mode to save more power by adjusting the screen to use grayscale and limit access to your applications.

1. From the **Settings** screen, under **SYSTEM**, touch **Power saving**.
2. Touch either **Power saving mode** or **Ultra power saving mode**.
3. Touch **OFF/ON** to turn the feature on.
4. Configure the options listed under the mode.

Storage

From this menu you can view the memory allocation for the memory card and USB as well as mount or unmount the memory card.

To view the memory allocation for your external SD card:

1. From the **Settings** screen, under **SYSTEM**, touch **Storage**.

   The **Total space** and **Available space** for the device is displayed.

SD Card

The **Total space** and **Available space** for the memory card is displayed.

- Touch **Unmount SD card** to unmount your microSD card so that you can safely remove it, then touch **OK**.

  – or –

- Touch **Format SD card** to format your microSD card. This will delete all data on your microSD card including music, videos, and photos.

Security

The Security settings allow you to determine the security level for your phone.

Encryption

To require a numeric PIN or password to decrypt your phone each time you power it on or encrypt the data on your SD card each time it is connected:

Tip: Make sure your battery is charged more than 80 percent. Encryption may take an hour or more.

1. From the **Settings** screen, under **SYSTEM**, touch **Security**.
2. You must first set up a screen lock type if you haven't already done so. See *"Lock Screen Settings"* on page 93.
3. Touch **Encrypt device**. For more information, read the displayed help screen.
4. Touch **Encrypt external SD card** to enable the encryption on microSD card data that requires a password be entered each time the microSD card is connected.

Find My Mobile

The Find My Mobile options let you secure and locate your phone if it is lost. You can also locate your phone on a map, lock or erase it if you cannot find it, or make the phone ring so that you can hear and locate it.

Note: To use the Find My Mobile options, you must sign on to your Samsung account, if you have not already done so. For more information, refer to *"Creating a Samsung Account"* on page 14.

Setting up Find My Mobile

1. From the **Settings** screen, under **SYSTEM**, touch **Security**.
2. Under **FIND MY MOBILE**, touch **Remote controls**. You are prompted to enter your Samsung account password.
   - Touch **OFF/ON** to turn the feature on.
   - Under **LOCATION CONSENT**, touch **Use wireless networks** to enable use of Google's location service.
3. Touch **Go to website** to manage your Find My Mobile account.

4. To prevent your phone from being reactivated after being reset, touch **Reactivation lock**.

Finding Your Phone

- To find your missing phone, visit findmymobile.samsung.com and follow the prompts. From this web site you can also ring, lock, and/or erase you phone.

Make Passwords Visible

When enabled, password characters display briefly as you touch them while entering passwords.

1. From the **Settings** screen, under **SYSTEM**, touch **Security**.
2. Touch **Make passwords visible** to display password characters.

Device Administrators

The Device Administration feature allows you to select one or more administration applications that control your device for security purposes (for example, if your phone is lost of stolen). These applications enforce remote or local device security policies.

Some of the features a device administration application might control are:

- Setting the number of failed password attempts before the device is restored to factory settings.
- Automatically locking the device.
- Restoring factory settings on the device.

Note: If a device uses multiple enabled administration applications, the strictest policy is enforced.

1. From the **Settings** screen, under **SYSTEM**, touch **Security**.
2. Touch **Device administrators**.
3. Select a device administrator and follow the prompts. If no device administrators are listed, you can download them from the Play Store.

Unknown Sources

This feature allows you to download and install non-Play Store applications.

1. From the **Settings** screen, under **SYSTEM**, touch **Security**.
2. Touch **Unknown sources** to enable.

Warning! Enabling this option causes your phone and personal data to be more vulnerable to attack by applications from unknown sources.

Verify Apps

This feature allows you to either block or receive a warning before installing apps that may cause harm to your phone.

1. From the **Settings** screen, under **SYSTEM**, touch **Security**.
2. Touch **Verify apps**.

Security Policy Updates

Automatically check for changes to the security policy and download any updates to improve security and service.

1. From the **Settings** screen, under **SYSTEM**, touch **Security**.
2. Touch **Security policy updates** to configure options.

Send Security Reports

Automatically send security reports to Samsung via Wi-Fi for threat analysis.

1. From the **Settings** screen, under **SYSTEM**, touch **Security**.
2. Touch **Send security reports** to enable.

Storage Type

This option allows you to select where you will back up your credentials.

1. From the **Settings** screen, under **SYSTEM**, touch **Security** → **Storage type**.
2. Select the backup storage location for your credentials.

Trusted Credentials

If a certificate authority (CA) certificate gets compromised or for some other reason you do not trust it, you can disable or remove it.

1. From the **Settings** screen, under **SYSTEM**, touch **Security**.
2. Touch **Trusted credentials**.

   The trusted credentials screen has two tabs:

   - **System**: Displays CA certificates that are permanently installed in the ROM of your device.
   - **User**: Displays any CA certificates that you installed, such as a client certificate.
3. Touch a CA certificate to examine its details.
4. Scroll to the bottom of the details screen and touch **Turn off** to disable a System certificate.
5. Touch **OK** to return to the certificate list.

Install from Phone Storage

Install encrypted certificates downloaded into your phone's memory.

1. From the **Settings** screen, under **SYSTEM**, touch **Security**.
2. Touch **Install from phone storage** and choose a certificate. Follow the prompts to install.

Clear credentials

Clear stored credentials.

Note: This setting only appears if you have installed encrypted certificates.

1. From the **Settings** screen, under **SYSTEM**, touch **Security**.
2. Touch **Clear credentials** to remove all certificates.

Help

Review tips and guidelines for using your device.

- From the **Settings** screen, under **SYSTEM**, touch **Help**.

About Device

This menu contains legal information, system tutorial information, and other phone information such as the model number, firmware version, baseband version, kernal version, and software build number.

To access phone information:

1. From the **Settings** screen, under **SYSTEM**, touch **About device**.
2. The following information displays:
   - **Software update**: Update your phone software, if available. For more information, refer to *"Software Update"* on page 121.
   - **Status**: Display the Battery status, Battery level (percentage), Network, Signal strength, Mobile network type, Service state, Roaming status, Mobile network state, the phone number for this device (My phone number), MIN number, PRL version, MEID number, IP address, Wi-Fi MAC address, Bluetooth address, Up time, and Device status.
   - **Legal information**: This option displays information about Open source licenses, Google legal information, and Samsung legal information.
   - **Report diagnostic info**: Report diagnostic information when you are having technical problems.
   - **Device name**: Display the device's name.
   - **Model number**: Display the device's model number.
   - **Android version**: Display the Android software version loaded on this device.
   - **Baseband version**: Display the baseband version loaded on this device.
   - **Kernel version**: Display the kernel version loaded on this device.
   - **Build number**: Display the firmware build number.
   - **SE for Android status**: Display the Security Enhancement status of your device.
   - **Hardware version**: Display the hardware version number.
   - **Security software version**: Display the version of the latest security software.

Software Update

The Software update feature enables you to connect to the network and download any new phone software directly to your phone. The phone automatically updates with the latest available software when you access this option.

1. From the **Settings** screen, under **SYSTEM**, touch **About device** ➔ **Software update**.
2. At the **Software update** prompt, touch **OK** to continue.
3. The phone automatically updates the software (if an update is available).

Note: When updating software, once the update file is downloaded, you can delay the update on the start screen by postponing it for a certain period of time. If you want to resume the update before the selected time, touch **Continue update**.

Application Manager

You can download and install applications from Play Store or create applications using the Android SDK and install them on your device. Use Application manager settings to manage applications.

Warning! Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

- From the **Settings** screen, under **APPLICATIONS**, touch **Application manager**.

Memory Usage

See how memory is being used by Downloaded or Running applications.

1. From the **Settings** screen, touch **Application manager**.
2. Touch **DOWNLOADED**, **SD CARD**, **RUNNING**, or **ALL** to display memory usage for that category of applications.

   The graph at the bottom of the Downloaded tab shows used and free device or USB storage memory. The graph at the bottom of the Running tab shows used and free RAM.

Downloaded

Displays apps you have downloaded onto your device.

1. From the **Settings** screen, under **APPLICATIONS**, touch **Application manager**.
2. Touch the **DOWNLOADED** tab to view a list of all the downloaded applications on your device.
3. To switch the order of the lists displayed in the Downloaded tabs, Touch → **Sort by size** or **Sort by name**.
4. To reset your application preferences, Touch → **Reset app preferences**.

Note: This will reset the preferences for disabled apps, disabled app notifications, default applications for actions, and background data restrictions for apps. You will not lose any app data.

5. Touch an application to view and update information about the application, including memory usage, default settings, and permissions.

SD Card

Displays apps you have downloaded onto your SD card.

1. From the **Settings** screen, under **APPLICATIONS**, touch **Application manager**.
2. Touch the **SD CARD** tab to view a list of all the downloaded applications on your device.
3. To switch the order of the lists displayed in the On SD card tab, Touch → **Sort by size** or **Sort by name**.
4. Touch an application to view and update information about the application, including memory usage, default settings, and permissions.

Running Services

View and control services running on your device.

1. From the **Settings** screen, under **APPLICATIONS**, touch **Application manager**.
2. Touch the **RUNNING** tab. All the applications that are currently running on the device display.
3. Touch one of the applications to view application information. The following options display:
   - **Stop**: Stops the application from running on the device. This is usually done prior to uninstalling the application.

Warning! Not all services can be stopped. Stopping services may have undesirable consequences on the application or Android System.

   - **Report**: Report failure and other application information.

Note: Options vary by application.

Default Applications

This menu allows you to pre-set the default applications for your Home screen and your messaging app.

1. From the **Settings** screen, under **APPLICATIONS**, touch **Default applications**.
2. Touch **Home** and touch one of the following options:
   - **TouchWiz easy home**: this option provides a Home screen that provides an easier user experience for the first-time smartphone users.
   - **TouchWiz home**: this is the Home screen that originally displays on your phone.
3. Touch **Messages** and select the method of sending messages. Select either **Messages** (original Samsung messaging app) or **Hangouts** (Google messaging app).
4. To clear defaults that you have set up, touch **Clear**.

Calendar

This section allows you to modify settings associated with the Calendar app. For information on the Calendar app, see *"Calendar"* on page 155.

1. From the **Settings** screen, under **APPLICATIONS**, touch **Calendar**.
2. Touch **First day of week** and select either **Locale default**, **Saturday**, **Sunday** or **Monday**.
3. Touch **Show week numbers** to display the week numbers along the side of the week entries.
4. Touch **Hide declined events** to activate this option.
5. Touch **Hide completed tasks** to activate this option.
6. Touch **Weather** to have weather symbols displayed on your calendar.
7. Touch **Lock time zone** to lock event times based on your current user-selected time zone. When enabled, allows you to choose **Select time zone** or **View today according to**.
8. Touch **Select alert type** to adjust the event notification method. Choose from: **Sound alerts**, **Status bar notification**s, and **Off**.
9. Touch **Notification sound** to assign a ringtone to a calendar event notification.
10. Touch **Vibration** to set the Event notification tone to vibrate.
11. Touch **Quick responses** to select quick responses to emailing guests.

Call

The Call settings menu allows you to modify your settings for making calls with your phone.

- From the **Settings** screen, under **APPLICATIONS**, touch **Call**.

  – or –

  From the Home screen, touch → → **Settings**.

Call Rejection

1. From the **Settings** screen, under **APPLICATIONS**, touch **Call** ➔ **Call rejection**.
2. Touch **Auto reject mode** and touch one of the following options:
   - **Off**: Turn Auto reject mode off.
   - **All incoming calls**: Reject all calls.
   - **Auto reject numbers**: Reject all calls in your Reject list.
3. Touch **Auto reject list**.
   - Touch **Create** to manually add numbers to the Reject list.
   - Touch **Unavailable** to automatically reject all calls that are not in your Contacts list.

Set Up Call Rejection Messages

1. From the **Settings** screen, under **APPLICATIONS**, touch **Call** ➔ **Call rejection** ➔ **Set up call rejection messages**.
2. Touch **Create** to manually add a reject message.

   – or –

   Touch one of the pre-written messages to be displayed when you want the call to be rejected. You can edit the message if desired.

Answering and Ending Calls

1. From the **Settings** screen, under **APPLICATIONS**, touch **Call** ➔ **Answering and ending calls**.
2. The following options are available:
   - **Pressing the Home key**: Accept incoming calls by pressing the Home key.
   - **Voice control**: Accept incoming calls by using your voice.
   - **Waving hand over device**: Answer a call by waving your hand over the device.
   - **Pressing the power key**: End a call by pressing the power key without turning off the screen.

Call Notification Pop-Ups

Display incoming voice call notifications pop-up on your display.

1. From the **Settings** screen, under **APPLICATIONS**, touch **Call**.
2. Touch **Call notification pop-ups** to activate the feature.

In-Call Status Pop-Ups

This option allows you to have in-call status information pop-up on your display.

1. From the **Settings** screen, under **APPLICATIONS**, touch **Call**.
2. Touch **In-call status pop-ups** to activate the feature.

Show Caller Information

Display a caller's recent social network activity and the history of your communication with them when a call is received.

1. From the **Settings** screen, under **APPLICATIONS**, touch **Call**.
2. Touch **Show caller information** to activate the feature.

Call Alerts

1. From the **Settings** screen, under **APPLICATIONS**, touch **Call** ➔ **Call alerts**.
2. Touch the following options to activate the features:
   - **Vibrate on connection to network**: Vibrate when it connects to the network.
   - **Call-end vibration**: Vibrate when the call ends.
   - **Call connect tone**: Play a tone when a call is connected.
   - **Minute minder**: Beep twice every minute that you are on a call.
   - **Call end tone**: Play a tone when a call is ended.
   - **Notify during calls**: Turn on alarm and message notifications during a call.

Call Accessories

1. From the **Settings** screen, under **APPLICATIONS**, touch **Call** ➔ **Call accessories**.
2. The following options are available:
   - **Automatic answering**: Configure the device to automatically answer and incoming call when a headset is detected.
   - **Automatic answering timer**: Configure the time delay before the device automatically accepts the incoming call.
   - **Outgoing call conditions**: Allow you to make calls even when the device is locked.

Additional Settings

1. From the **Settings** screen, under **APPLICATIONS**, touch **Call** ➔ **Additional settings**.
2. Touch one of the following options:
   - **TTY mode**: Connect your phone and a TTY device via a special cable that plugs into your phone's headset jack. If this cable was not provided with your TTY device, contact your TTY device manufacturer to purchase the connector cable.
   - **Hearing aids**: Improve the sound quality of your phone when you are using a hearing aid.

Ringtones and Keypad Tones

Personalize the sounds you hear when your phone rings and when you press the keypad.

1. From the **Settings** screen, under **APPLICATIONS**, touch **Call** ➔ **Ringtones and keypad tones**.
2. Touch **Ringtones** and select a ringtone.
3. Touch **Vibrations** and select a vibration type.
4. Touch **Vibrate when ringing** to vibrate when a call is incoming.
5. Touch **Dialing keypad tone** to play a tone when the keypad is pressed.

Personalize Call Sound

This option allows you to personalize the sounds you hear during a call with and without earphones.

1. From the **Settings** screen, under **APPLICATIONS**, touch **Call** ➔ **Personalize call sound**.
2. At the Personalize call sound display, touch one of the following options:
   - **Adapt sound**: Customize your sounds. Follow the onscreen instructions to set up your personal call sound.
   - **Soft sound**: Play a softer sound when the other party is in a noisy environment.
   - **Clear sound**: Play a clearer sound when the other party sounds unclear or muffled.
   - **Off**: Turn off your customized call sound and plays the default sounds.

Noise Reduction

This option helps to suppress background noise from your side during a call.

- From the **Settings** screen, under **APPLICATIONS**, touch **Call** ➔ **Noise reduction** to enable the feature.

Voicemail Service

1. From the **Settings** screen, under **APPLICATIONS**, touch **Call** ➔ **Voicemail Service**.

   Voicemail service provided by your carrier is the default.
2. Touch **My carrier** to remove the carrier Voicemail service.

Voicemail Settings

View or modify your voicemail number.

1. From the **Settings** screen, under **APPLICATIONS**, touch **Call** ➔ **Voicemail settings**.
2. Touch the **Voicemail number** field, backspace to erase the digits, and enter a new voicemail number.

Sound

This option allows you select your default ringtone that you receive whenever you get a call.

1. From the **Settings** screen, under **APPLICATIONS**, touch **Call** ➔ **Sound**.
2. Touch a ringtone to hear it played.
3. Select a ringtone and touch **OK**.

Vibrate

Vibrate the phone when you receive a call.

1. From the **Settings** screen, under **APPLICATIONS**, touch **Call**.
2. Touch **Vibrate** to activate the feature.

Other Call Settings

1. From the **Settings** screen, under **APPLICATIONS**, touch **Call**.
2. Under **OTHER CALL SETTINGS**, the following options are available:
   - **Auto retry**: Automatically redials unanswered calls.
   - **DTMF tones**: Change the length (normal or long) of the DTMF tones your device sends to the network.
   - **Voice privacy**: Employ enhanced encryption (when available) to ensure your privacy.

Contacts

To modify the settings for your contacts, follow these steps:

1. From the **Settings** screen, under **APPLICATIONS**, touch **Contacts**.
2. The following options are available:
   - **Import/Export**: Move contacts to or from your memory card or USB storage.
   - **Contacts to display**: Choose to display All contacts, those on your Device, Samsung account, Gmail, or only display contacts that are part of a Customized list.

- **Swipe to call or send msg**: Call or message by swiping the contact to the left (to message) or to the right (to call).
- **Only contacts with phones**: Only display contacts that have phone numbers.
- **Sort by**: Sort by First name or Last name.
- **Display contacts by**: Sort by First name first or Last name first.
- **Send contact information**: Send all or individual contacts via Bluetooth in the form of namecards. Touch Export settings and make a selection.
- **Accounts**: Add and manage your Samsung, ChatON, Google, LDAP (Lightweight Directory Access Protocol), and Microsoft Exchange ActiveSync accounts. Touch **Add account** and then follow the onscreen instructions.

Email

The Email settings allow you to customize your Email application.

1. Set up an email account if you haven't already done so. For more information, refer to *"Email"* on page 165.
2. From the **Settings** screen, under **APPLICATIONS**, touch **Email**.

Managing Your Email Accounts

1. From the **Settings** screen, under **APPLICATIONS**, touch **Email** ➔ **Manage accounts**.

   All of your Email accounts are listed.
2. Touch an account to modify the settings for that account.

Note: The settings may be different depending on the type of email account.

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3. Touch **More settings** for additional options.

General Email Settings

1. From the **Settings** screen, under **APPLICATIONS**, touch **Email**.
2. Under **GENERAL SETTINGS**, touch **Display**.

   The following options are available:

   - **Auto fit content**: Shrink your email content to fit the screen.
   - **Message preview line**: Set the number of lines that are shown in the email preview.
   - **Title line in list**: Set the title line to the Email Subject or the Sender.
   - **Hide checkboxes**: Hide the checkboxes that are displayed in your email list.
3. Touch **Default display**. Select what part of a message displays in a folder list. Choose from Next email, Previous email, or Email list.
4. Touch **Priority sender settings** for options.
   - **Set as the default folder**: Display the priority sender inbox whenever you open the Email app.
   - **Email notifications**: Activate the email notification icon to appear within the Notifications area of the status bar when a new email (Gmail, etc.) is received.
   - **Notification sound**: Choose a ringtone for email notifications.
   - **Vibrate**: Vibrate when a new email message is received.
5. Touch **Spam addresses** and touch to add an Email address to your Spam folder.
6. Touch **Delay email sending** to delay the sending of emails.
   - Touch **Delay email sending** to enable the feature.
   - Touch **Set length of delay** to set the delay time. You can set the delay from 3 up to 30 seconds. This will give you time to cancel the sending of an email if needed.

Gallery

This section allows you to modify settings associated with using your Gallery.

1. From the **Settings** screen, under **APPLICATIONS**, touch **Gallery**.
2. The following options are available:
   - **Sync via Wi-Fi only**: Only sync pictures and videos when you are connected to a Wi-Fi network.
   - **Filter by**: Filter your Gallery when searching for certain types of picture or videos.
   - **Tag buddy**: Tag your pictures or videos by Location, Category, or Tags.
   - **Face tag**: Tag your pictures or videos when a face is present.
3. Touch → **Add account** to add a Samsung, Facebook, or Google account.

Internet

This section allows you to modify settings associated with using your web browser.

1. From the **Settings** screen, under **APPLICATIONS**, touch **Internet**.
2. Under **BASICS**, touch any of the following options:
   - **Account**: Sign on to your Samsung account if you have not already done so. You will need to do this if If you want to sync your bookmarks and open pages with other devices. For more information, refer to *"Creating a Samsung Account"* on page 14.
   - **Set homepage**: Set the current home page for the Web browser.
   - **Auto fill forms**: Enter text to be used in your web profile. Touch **Add profile** and enter text for the Web form auto fill.

3. Under **ADVANCED**, touch any of the following options:
   - **Privacy:**
     - **Suggest search terms and Web addresses**: Display predictions of related queries and popular websites in the address bar as you type.
     - **Preload available links**: Improve performance when loading pages.
     - **Remember form data**: Store data from any previously filled out forms.
     - **Remember passwords**: Store user names and passwords for visited sites.
     - **Delete personal data**: Delete all personal data such as Browsing history, Cache, Cookies and site data, Passwords, Auto-fill data, and Location access.
   - **Screen and text:**
     - **Text scaling**: Preview the text size, scale the text size using a slider bar, set the zoom amount on double touch, and scale the font size.
     - **Force zoom**: Override a website's request to control zoom.
     - **Text encoding**: Adjust the current text encoding.
     - **Full screen**: Use Full screen mode to hide the Status bar.
     - **Text booster**: View PC websites easily by boosting the text size. (The layout may change as a result.)
   - **Content settings:**
     - **Accept cookies**: Allow sites that require cookies to save and read cookies from your device.
     - **Turn on location**: Allow websites to request access to your location.
     - **Turn on JavaScript**: Enable JavaScript for the current Web page. When disabled, some pages may not display properly.
     - **Block pop-ups**: Prevent pop-up advertisements or windows from appearing.
     - **Default storage**: Set your default storage to Device or Memory Card.
     - **Website settings**: View advanced settings for individual websites.
     - **Turn on notifications**: Allow website notifications. Choose from Always on, On demand, or Off.

– **Clear notifications**: Delete website notification access information.

– **Reset settings**: Restore all settings to their default.

- **Bandwidth management:**
  – **Preload webpages**: Allow the browser to preload pages in the background.
  – **Load images**: Allow web page images to be loaded along with the other text components of a loaded website.
  – **Open pages in overview**: Display an overview of newly opened web pages.

Messages

This section allows you to modify settings associated with using the default Messaging application.

1. From the **Settings** screen, under **APPLICATIONS**, touch **Messages**.
2. The following Messaging settings are available:
   - **Default messaging app**: Set the default messaging app that you can use to send all of your messages.
   - **Display**:
     – **Bubble style**: Choose from several bubble styles for your messages. Bubbles are the rounded boxes that surround each message.
     – **Background style**: Choose from several background styles for your messages.
     – **Change font size**: Change the font size in your messages by using the Volume key.
   - **Quick responses**: Select short pre-written sentences that you can use in your messages.

- **Text messages**:
  - **Delivery reports**: Receive network notices regarding whether or not your message was delivered.
  - **Auto combination**: Re-assemble multi-segment messages so they can be shown as a single message.
- **Multimedia messages**:
  - **Group conversation**: Send a single message to multiple recipients.
  - **Delivery reports**: Receive network notices regarding whether or not your message was delivered.
  - **Auto retrieve**: Retrieve messages automatically.
  - **Roaming auto retrieve**: Retrieve messages automatically while your device is roaming.
  - **MMS alert**: Receive an alert when MMS mode becomes active.
- **Delete old messages**: Delete old messages when the limit is reached, rather than having them overwritten.
  - **Text message limit**: Set a limit on how many text messages can be in one conversation.
  - **Multimedia message limit**: Set a limit on how many multimedia messages can be in one conversation.
- **Priority senders**: Send messages with priority.
- **Notifications**: Display message notifications on the Status bar.
- **Emergency alerts**: Receive wireless emergency alerts from the Commercial Mobile Alerting System (CMAS). For more information, refer to *"Messages Settings"* on page 78.
  - **Emergency alerts**: Select which types of Emergency alerts you want to receive: Extreme alerts, Severe alerts, or Amber alerts.
  - **Emergency notification preview**: Play the emergency alert tone so you will know what to expect when an alert is received.
  - **Vibrate**: Enable vibration with Emergency alerts.

– **Alert reminder**: Set reminders after you receive an alert. You can select Once, Every 2 minutes, Every 15 minutes, or Off (default).

- **Signature** Configure message signatures.
  – **Edit signature**: Enter a custom signature for your message.
- **Spam filter**:
  – **Add to spam numbers**: Enter and assign a phone number as being sent from a spam source.
  – **Add to spam phrases**: Assign a specific text phrase as belonging to a spam message.
  – **Block unknown senders**: Automatically block incoming messages from unknown sources or blocked numbers.
- **Delay message sending**: Set a time delay limit that determines how long the messages are held until they are sent. This can allow you to cancel the delivery of a recent message.
- **Safe mode**: Set security parameters for Messages. Choose from Allow access to all links and Potential threat alerts.

S Voice

This section allows you to modify settings associated with the S Voice app. For information on this app, see *"S Voice"* on page 185.

1. From the **Settings** screen, under **APPLICATIONS**, touch **S Voice**.
2. The following options are available:
   - **Language**: Set your default language for S Voice.
   - **Hide offensive words**: Have potentially offensive words replaced with asterisks.
   - **Software update**: Download and install software updates, if available.
   - **About**: Display information about the S Voice app including the Terms of Service and the Privacy Policy.
   - **Open via the home key**: Open S Voice by double-pressing the Home key.
   - **Voice wake-up**: Customize your wake-up command for S Voice.
   - **Auto start speakerphone**: Automatically turn on the speaker when using S Voice to make a call.

- **Show body of message**: Display the message content whenever a new message arrives.
- **Check missed events**: Display your missed events whenever you open the S Voice app.
- **Personal briefing**: Receive a voice briefing of your schedule whenever you open the S Voice app.
- **Home address**: Enter your home address to be used in S voice.
- **Log in to Facebook**: Log in to your Facebook account.
- **Log in to Twitter**: Log in to your Twitter account.

Section 7: Connections

This section describes the various connections your phone can make including Connecting your PC, Wi-Fi, NFC, Bluetooth, USB tethering, and Mobile Hotspot.

PC Connections

You can connect your device to a PC using your PC data cable and various USB connection modes.

- **Media device (MTP)**: allows you to transfer media files in Windows, or using an Android file transfer on a Mac.
- **Camera (PTP)**: allows you to transfer photos using the camera software, and transfer any files onto a PC that does not support MTP.

Note: To sync your device to your computer it is highly recommended that you install Samsung Kies which is available at samsung.com/kies (for Windows/Mac).

Note: If you are a Windows XP user, ensure that you have Windows XP Service Pack 3 or higher installed on your computer. Also, ensure that you have Samsung Kies 2.0 or Windows Media Player 10 or higher installed on your computer.

Connecting as a Storage Device

You can connect your device to a PC as a removable disk and access the file directory. If you insert a memory card in the device, you can also access the files directory from the memory card by using the device as a memory card reader.

Note: The file directory of the memory card displays as a removable disk, separate from the internal memory.

1. Connect the USB cable to the device and connect the cable to the computer. After a few seconds, a pop-up window displays on the PC when connected.
2. On the PC pop-up, click **Open device to view files**.

3. Touch **Card** to see the contents on your memory card or touch **Phone** to see the contents on your phone.
4. You can now copy and move files back and forth between your PC and your phone.

Wi-Fi

About Wi-Fi

Wi-Fi (short for "wireless fidelity") is a term used for certain types of Wireless Local Area Networks (WLAN). These device types use an 802.11 wireless specification to transmit and receive wireless data. Wi-Fi communication requires access to an existing and accessible Wireless Access Point (WAP). These WAPs can either be Open (unsecured) as within most Hot Spots, or Secured (requiring knowledge of the Router name and password).

Note: Use of wireless data connections such as Wi-Fi and Bluetooth can cause an added drain to your battery and reduce your use times.

Turning Wi-Fi On

By default, your device's Wi-Fi feature is turned off. Turning Wi-Fi on makes your device able to discover and connect to compatible in-range WAPs.

1. From any Home screen panel, touch **Apps** ➔ **Settings**.
2. From the **Settings** screen, under **QUICK SETTINGS** or **NETWORK CONNECTIONS**, touch **Wi-Fi**.
3. Touch **OFF/ON** to turn the feature on.
4. Your phone will automatically scan for available Wi-Fi networks.

Connect to a Wi-Fi Network

1. From any Home screen panel, touch **Apps** ➔ **Settings**.
2. From the **Settings** screen, under **QUICK SETTINGS** or **NETWORK CONNECTIONS**, touch **Wi-Fi**.
3. Touch **OFF/ON** to turn the feature on.

   The network names and security settings (Open network or Secured with WEP) of detected Wi-Fi networks are displayed in the Wi-Fi networks section.
4. Touch the network you want to connect to.
5. Enter a wireless password if necessary.

Manually Add a Wi-Fi Network

1. From any Home screen panel, touch **Apps** ➔ **Settings**.
2. From the **Settings** screen, under **QUICK SETTINGS** or **NETWORK CONNECTIONS**, touch **Wi-Fi**.
3. Touch **OFF/ON** to turn the feature on.
4. Touch **Add Wi-Fi network**.
5. Enter the **Network SSID**. This is the name of your Wireless Access Point.
6. Touch the **Security** field and select a security option. This must match the current security setting on your target WAP.
7. If secured, you will also need to enter your WAP's password.
8. Touch **Show advanced options**, if you need to add advanced options such as Proxy settings, IP settings, or Key management.
9. Touch **Connect** to store the new information and connect to your target WAP.

Note: The next time your device connects to a previously accessed or secured wireless network, you are not prompted to enter the WAP key again, unless you touch and hold a network and touch **Forget network**, or reset your device back to its factory default settings. For more information, refer to *"Back Up and Reset"* on page 105.

Manually Scan for a Wi-Fi Network

1. From any Home screen panel, touch **Apps** ➔ **Settings**.
2. From the **Settings** screen, under **QUICK SETTINGS** or **NETWORK CONNECTIONS**, touch **Wi-Fi**.
3. Touch **OFF/ON** to turn the feature on.
4. Touch ➔ **Scan**.

   All available Wi-Fi networks are displayed.

Wi-Fi Status Indicators

The following icons show your Wi-Fi connection status at a glance:

Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Displays when there is a Wi-Fi access point available but you are not connected to it. May also display if there is a communication issue with the target Wireless Access Point (WAP).

Displays when connected to another device using Wi-Fi Direct.

Wi-Fi Settings

1. From any Home screen panel, touch **Apps** ➔ **Settings**.
2. From the **Settings** screen, under **QUICK SETTINGS** or **NETWORK CONNECTIONS**, touch **Wi-Fi**.
3. Touch **OFF/ON** to turn Wi-Fi on.
4. Touch for options:
   - **Scan**: Search for and display available networks.
   - **Wi-Fi Direct**: Enable Wi-Fi Direct.
   - **Advanced:**
     - **Network notification**: alerts you when a new WAP is available.
     - **Passpoint**: allows you to connect to passpoint-enabled Wi-Fi Access Points automatically.
     - **Sort by**: allows you to sort by alphabet or RSSI.
     - **Keep Wi-Fi on during sleep**: allows you to specify when to disconnect from Wi-Fi.
     - **Always allow scanning**: allows the Google location service and other apps to scan for networks, even when Wi-Fi is turned off.
     - **Install certificates**: allows you to install security certificates that you have on a MicroSD card.

– **MAC address**: view your device's MAC address, required when connecting to some secured networks (not configurable).

– **IP address**: view your device's IP address.

- **WPS push button**: Set up a connection to a WPS (Wi-Fi Protected Setup) router or other equipment.
- **WPN PIN entry**: View the PIN used by your device to set up a PIN-secured connection to a Wi-Fi router or other equipment (not configurable).
- **Help**: Learn about setting up and using Wi-Fi networks.

Wi-Fi Direct

Wi-Fi Direct allows device-to-device connections so you can transfer large amounts of data over a Wi-Fi connection.

1. From any Home screen panel, touch **Apps** ➔ **Settings**.
2. From the **Settings** screen, under **QUICK SETTINGS** or **NETWORK CONNECTIONS**, touch **Wi-Fi**.
3. Touch **OFF/ON** to turn Wi-Fi on.
4. Touch ➔ **Wi-Fi Direct**.

   Your phone automatically scans for other Wi-Fi Direct devices.
5. Repeat **steps 1–3** on the other device you want to connect with. The steps on a different model of phone, may be different.
6. Once the device you want to connect to is displayed, touch it.
7. The other device has 2 minutes to touch **Accept** for the connection to be made.
8. Once connected, the other device will show as **Connected** in your list of Wi-Fi Direct devices and the icon will display at the top of your screen.
9. Touch for additional options.

Sharing Information with Wi-Fi Direct

To share Videos, Photos, or other information with the connected device, follow these steps:

1. View the information that you want to share. For example, if you want to share a photo, find the photo in your camera viewer or **My Files** folder, then touch the **Share, Share via,** or **Send via** option.
2. Touch the **Wi-Fi Direct** option.
3. Touch the connected device name.
4. Touch **Done**.
5. The file is transferred and the other device will receive a screen notification that a Wi-Fi file has been received. The file can be found in **My Files** ➔ **All files** ➔ **Device storage** in the **ShareViaWifi** folder.

Note: The prompts and shared folder information may differ, depending on the other device model.

Bluetooth

About Bluetooth

Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number of Bluetooth devices, such as headsets and hands-free car kits, and Bluetooth-enabled handhelds, computers, printers, and wireless devices. The Bluetooth communication range is usually up to approximately 30 feet.

Turning Bluetooth On and Off

To turn Bluetooth on:

1. From any Home screen panel, touch **Apps** ➔ **Settings**.
2. From the **Settings** screen, under **QUICK SETTINGS** or **NETWORK CONNECTIONS**, touch **Bluetooth**.
3. Touch the ON/OFF slider, located to the right of the Bluetooth field, to turn Bluetooth ON.

   When active, appears within the Status area.

To turn Bluetooth off:

1. From any Home screen panel, touch **Apps** ➔ **Settings**.
2. From the **Settings** screen, under **QUICK SETTINGS** or **NETWORK CONNECTIONS**, touch **Bluetooth**.
3. Touch the ON/OFF slider, located to the right of the Bluetooth field, to turn Bluetooth OFF.

Bluetooth Status Indicators

The following icons show your Bluetooth connection status at a glance:

Displays when Bluetooth is active.

Displays when Bluetooth is connected (paired) and communicating with another device.

Bluetooth Settings

1. From any Home screen panel, touch **Apps** ➔ **Settings**.
2. Under **QUICK SETTINGS** or **NETWORK CONNECTIONS**, touch **Bluetooth**.
3. Touch **OFF/ON** to turn the feature on.
4. Touch and select a Bluetooth setting to configure:
   - **Visibility timeout**: Use this setting to control when to automatically turn off the Discoverable option: 2 minutes, 5 minutes, 1 hour, or Never time out.
   - **Received files**: Shows the list of files received by using Bluetooth.
   - **Rename device**: Change the name of your device.
   - **Help**: Provides additional information on Bluetooth and Bluetooth settings.
5. Touch the checkbox next to **Galaxy S5** if you do not want your phone visible to other Bluetooth devices.

Pairing Bluetooth Devices

The Bluetooth pairing process allows you to establish trusted connections between your device and another Bluetooth device. When you pair devices, they share a passkey, allowing for fast, secure connections while bypassing the discovery and authentication process.

To pair your device with another Bluetooth device:

1. From any Home screen panel, touch **Apps** ➔ **Settings**.
2. Under **QUICK SETTINGS** or **NETWORK CONNECTIONS**, touch **Bluetooth**.
3. Verify your Bluetooth is ON .
4. Touch **Scan**. Your device will display a list of discovered in-range Bluetooth devices.
5. Touch a device from the list to initiate pairing.
6. Enter the passkey or PIN code, if needed, and touch **OK**.
7. The external device will then have to also accept the connection and enter your device's PIN code.

   Once successfully paired to an external device, appears within the Status area.

Note: Due to different specifications and features of other Bluetooth-compatible devices, display and operations may be different, and functions such as transfer or exchange may not be possible with all Bluetooth compatible devices.

Note: Pairing between two Bluetooth devices is a one-time process. Once a pairing has been created, the devices will continue to recognize their partnership and exchange information without having to re-enter a passcode again.

Disconnecting a Paired Device

Disconnecting a paired device breaks the connection between the device and your phone, but retains the knowledge of the pairing. At a later point when you wish to reconnect the device, there is no need to setup the connection information again.

1. Verify your Bluetooth is active.
2. From the **Bluetooth** screen, touch the previously paired device.
3. Touch **OK** to confirm disconnection.

Note: Disconnections are manually done but often occur automatically if the paired device goes out of range of your phone or it is powered off.

Deleting a Paired Device (Unpair)

Deleting a device from your list removes its "connection record" and upon reconnection would require that you re-enter all the previous pairing information.

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, touch next to the previously paired device. This opens the connected device's menu options.
3. Touch **Unpair** to delete the paired device.
4. Touch **Rename** to change the name of the paired device.
5. Touch **Call audio** to enable or disable call audio from the paired device.

USB Tethering

This option allows you to share your device's mobile data connection via a direct USB connection between your device and a single computer.

Note: You can not mount your device's microSD card to your computer while using the USB tethering feature. If additional software or USB drivers are required, visit samsung.com/us/support/downloads.

To connect using USB Tethering:

1. Plug in the USB cable between your computer and your device.
2. From any Home screen panel, touch **Apps** ➔ **Settings**.
3. Under **NETWORK CONNECTIONS**, touch **Tethering and Wi-Fi hotspot**.
4. From the **Tethering and Wi-Fi hotspot** screen, touch **USB tethering**.

   Look for the Tethering active icon in the Status bar area of the screen.

To disconnect USB tethering:

1. From the **Tethering and Wi-Fi hotspot** screen, touch **USB tethering** to remove the check mark and disable the feature.
2. Remove the USB cable from the device.

Bluetooth Tethering

This option allows you to share your device's mobile data connection via a Bluetooth connection.

To connect using Bluetooth tethering:

1. From the **Settings** screen, under **NETWORK CONNECTIONS**, touch **Tethering and Wi-Fi hotspot**.
2. Connect your phone to your PC using a Bluetooth connection.
3. Touch **Bluetooth tethering** to activate the feature.

To disconnect Bluetooth tethering:

1. From the **Tethering and Wi-Fi hotspot** screen, touch **Bluetooth tethering** to remove the check mark and disable the feature.
2. Turn off Bluetooth if you are no longer using it to save battery power. See *"Turning Bluetooth On and Off"* on page 143.

Mobile Hotspot

This feature allows you to turn your device into a Wi-Fi hotspot, allowing you to provide Internet connectivity to multiple devices. The feature works best when used in conjunction with 4G/LTE data services (although 3G service can also be used).

Note: You must have a tethering plan on your account in order to use the Mobile hotspot.

Important! The Mobile hotspot service cannot be active when device is connected to Wi-Fi. Please disconnect your Wi-Fi connection prior to activating this service.

To activate the Mobile Hotspot service:

1. From any Home screen panel, touch **Apps** ➔ **Settings**.
2. Under **NETWORK CONNECTIONS**, touch **Tethering and Wi-Fi hotspot** ➔ **Mobile hotspot**.
3. Slide the **Mobile hotspot** OFF/ON switch to ON.
4. Touch ➔ **Configure hotspot**.
5. Edit the **Network SSID** name if desired.
6. Disable the **Hide my device** field if you would like to broadcast your SSID name to nearby devices.
7. Verify the **Security** field is set to **WPA2 PSK**.
8. The default password is your phone number. Enter a new password if desired.
9. Touch **Save** to store the new settings.
10. Confirm the Mobile Hotspot active icon appears at the top of the screen.

Note: Using your Mobile Hotspot drains your device's battery much faster. The best way to keep using the device as a Hotspot is by connecting to a Charger.

To connect to the Hotspot:

1. Enable Wi-Fi (wireless) functionality on your target device (laptop, media device, and so on).
2. Scan for Wi-Fi networks from the external device and select your device's Mobile Hotspot name (Network SSID) from the network list.
   - The SSID name for your device's hotspot is determined by what you entered into the **Network SSID** field.
   - You can change the name by touching **Menu** ➔ **Configure** ➔ **Network SSID** and changing the entry.
3. Select this Hotspot and follow the onscreen instructions to complete the connection.
4. Launch your Web browser to confirm you have an Internet connection.

To change the Mobile Hotspot password:

1. From the **Tethering and Wi-Fi hotspot** screen, touch **Mobile hotspot** ➔ **Menu** ➔**Configure**.
2. Touch the **Security** field and select **WPA2 PSK**.
3. With security enabled, delete the previous password and enter a new one into the **Password** field.

Important! The more complex the password, the harder it will be for intruders to break your security. It is recommended that you not use names, birthdays, or other personal information.

4. Touch **Save** to store the new settings.

To manage connected devices:

This feature allows you to provide MAC filtering on your device. This is similar to a "VIP list" where only devices on the list are allowed access.

1. From the **Mobile hotspot** screen, touch **Menu** ➔ **Allowed devices** ➔ **Add new device** to add devices to the allowed for connection list.
2. Enter the De4vice name and Mac address.
3. Touch **OK** to save the new device.

VPN Settings

Set up and manage Virtual Private Networks (VPN).

Note: VPN settings include storage of login credentials on your device. You must configure a screen unlock pattern, PIN or password before setting up a VPN. For more information, refer to *"Lock Screen Settings"* on page 93.

Adding a Basic VPN

1. From the **Settings** screen, under **NETWORK CONNECTIONS**, touch **More networks** ➔ **VPN**.
2. Touch **Basic VPN**.
3. Touch **Add VPN network**.
   - Enter a name for the VPN network in the **Name** field.
   - Select a VPN type from the **Type** drop-down menu.
   - Enter the Server address and any other required fields that are dependent upon the **Type** you entered previously.
   - Touch the **PPP encryption (MPPE)** check box to enable encryption.
   - Touch the **Show advanced options** check box to display additional VPN options.
4. Touch **Save** to save your VPN settings.

Adding an Advanced IPsec VPN

1. From the **Settings** screen, under **NETWORK CONNECTIONS**, touch **More networks** ➔ **VPN**.
2. Touch **Advanced IPsec VPN**.
3. Touch **Add IPsec VPN network**.
   - Enter a password, confirm the password, and touch **OK**.
   - Enter a name for the VPN connection in the **VPN connection name** field.
   - Select an **IPsec connection type** from the drop-down menu.
   - Enter any other required information.
   - Touch **Show advanced options** to display additional VPN options.
4. Touch **Save** to save your VPN settings.

NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as Android Beam and S Beam.

To activate NFC, follow these steps:

1. From the **Settings** screen, under **CONNECT AND SHARE**, touch **NFC**.
2. Touch **OFF/ON** to turn the feature on.

Android Beam

When Android Beam is activated, you can beam app content to another NFC-capable device by holding the devices close together. You can beam browser pages, YouTube videos, contacts, and more.

Tip: Use Android Beam to share smaller files, such as browser pages, YouTube videos, contacts, and pictures.

1. From the **Settings** screen, under **CONNECT AND SHARE**, touch **NFC**.
2. Touch **OFF/ON** to turn NFC on.

   When you turn on NFC, Android Beam is automatically turned on.
3. Turn on Android Beam on the target device. Refer to the target device's documentation for instructions on using Android Beam.
4. With the file you wish to share displayed or opened on your device, simply touch your device to the target device (typically back-to-back). Your device will vibrate to indicate it is able to transmit the file.
5. After the vibration, touch your screen to send the file to the target device.
6. Follow the prompts on the target device for receiving the beamed file.

S Beam

When S Beam is activated, you can beam files to another NFC-capable device by holding the devices close together. You can beam images and videos from your Gallery, music files from your Music app, and more.

Tip: Use S Beam for sending larger files, such as HD videos.

1. From the **Settings** screen, under **CONNECT AND SHARE**, touch **NFC**.
2. Touch **OFF/ON** to turn NFC on.
3. Touch **S Beam**, and then touch **OFF/ON** to turn S Beam on.
4. Turn on S Beam on the target device. Refer to the target device's documentation for instructions on using S Beam.
5. With the file you wish to share displayed or opened on your device, simply touch your device to the target device (typically back-to-back). Your device will vibrate to indicate it is able to transmit the file.
6. After the vibration, touch your screen to send the file to the target device.

Tap and Pay

Tap and pay allows you to select the default payment application you want to use for making online purchases.

1. From the **Settings** screen, under **CONNECT AND SHARE**, touch **NFC** ➔ **Tap and pay**.
2. Select the app that you want as your default.

Nearby Devices

This option allows you to share your media files with nearby devices using Wi-Fi, Wi-Fi Direct, and Wi-Fi hotspot.

1. Connect to a Wi-Fi network. For more information, refer to *"Wi-Fi"* on page 139.
2. From the **Settings** screen, under **CONNECT AND SHARE**, touch **Nearby devices**.
3. Touch **OFF/ON** to turn the feature on.

   Verify **Nearby devices** appears at the top of the screen in your status bar.

4. Set file sharing options:
   - Touch **Shared contents**, then check the media you would like to share.
   - Touch **Allowed devices**, then select the connected devices you would like to allow.
   - Touch **Denied devices**, then select the connected devices you would like to deny access.
   - Touch **Download to**, then select the destination of any downloaded (shared) content. Choose from Device or SD card.
   - Touch **Download from other devices**, then select the actions you'll take when you download content from other devices. Choose from either Always accept, Always ask, or Always reject.
   - Touch → **Rename device:** to change the name of your device (as seen by other devices).

Section 8: Applications

This section contains a description of each application that is available on the Apps Screen. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided.

Note: This manual only addresses applications that have been loaded on your device as of the date of purchase. Information concerning third party applications that you may choose to download from the Google Play Store or otherwise should be obtained from the application provider directly and not from Samsung.

Tip: To open applications quickly, add the icons of frequently-used applications to one of the Home screens. For details, see *"Customizing Your Home Screen"* on page 26.

- To access your applications, touch **Apps** from any Home screen. The Apps screen displays.

Calculator

The Calculator app provides basic arithmetic functions; addition, subtraction, multiplication, and division, and can be used as a scientific calculator. The Calculator also keeps a history of recent calculations.

1. From the Apps menu, touch **Calculator**.
2. Enter the first number.
3. Enter the operation for your calculation by touching the corresponding function key.
4. Enter the second number.
5. To view the result, touch the equal sign (**=**).
6. To view calculator history, touch located at the top right of the calculator buttons. A history of your past calculations is displayed. Touch to display the calculator keypad.

Note: Turn your phone sideways to the landscape position to display the scientific calculator.

Calendar

With the Calendar feature, you can view your calendar by day, week, or month, create events and tasks, and set an alarm to act as a reminder.

To access the Calendar:

1. From the Apps menu, touch **Calendar**.
2. To change your calendar view, touch at the top left of your screen and select one of the following:
   - **Year**: displays the Year view.
   - **Month**: displays the Month view.
   - **Month and agenda**: displays the Month view with your events listed at the bottom.
   - **Week**: displays the Week view.
   - **Day**: displays the Day view.
   - **Agenda**: displays your events.
3. Touch **Create event** to create a new Calendar event.
4. Touch **Today** to display the current date indicated by a blue box.
5. Touch and select one of the following options:
   - **Go to**: displays a specific date.
   - **Delete**: allows you to delete All events, All events before today, or an individual event.
   - **Search**: allows you to search within your current events.
   - **Calendars**: allows you to view the current Calendar accounts.
   - **Sync**: allows you to synchronize your calendar with one or all of your accounts. This option only appears when an account has been opened.
   - **Settings**: displays a list of configurable settings.

Calendar Settings

- From any Calendar view, touch → **Settings**.

For more information, refer to *"Calendar"* on page 124.

Camera

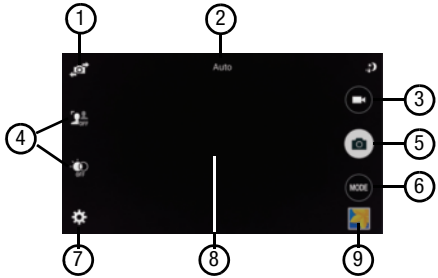
This section explains how to use the camera on your phone. You can take photographs and shoot video by using the built-in camera functionality. Your 16 megapixel camera produces photos in JPEG format.

Important! Do not take photos of people without their permission.
Do not take photos in places where cameras are not allowed.
Do not take photos in places where you may interfere with another person's privacy.

Using the Camera

Taking pictures with your device's built-in camera is as simple as choosing a subject, pointing the camera, then pressing the camera key.

- From the Apps menu, touch **Camera** to activate the camera mode.



1. Front Facing Camera
2. Camera Mode
3. Record Video
4. Settings Shortcuts
5. Camera button
6. Change Camera Mode
7. Settings
8. Viewfinder
9. Image Viewer

Note: When taking a photo in direct sunlight or in bright conditions, shadows may appear on the photo.

To use the camera:

1. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camera at the subject.
2. Before you take a picture, pinch the screen to zoom out or pinch outwards to zoom in. You can magnify the picture up to x4 (400 percent).
3. If desired, before taking the photo, you can touch on-screen icons to access various camera options and settings.
4. You can also touch the screen to move the focus to the area you touch.
5. Press the Camera button until the shutter sounds.

   The picture is automatically stored within your designated storage location. If no microSD is installed, all pictures are stored on the Phone.
6. While viewing a picture, after you have taken it, pinch the screen outwards to zoom in or pinch the screen inwards to zoom out.

   You can magnify the picture up to x4.
7. Touch **Back** to return to the viewfinder.

Camera Modes

There are many different camera modes that you can use to help optimize your photos depending on the conditions and your experience.

1. From the camera viewfinder, touch the Mode button MODE to change the mode to one of the following:
   - **Auto**: Automatically adjusts your camera to optimize color and brightness. This is the default setting
   - **Beauty face**: Take photos with lightened faces for gentler images.
   - **Shot & more**: Combine the best of burst shots with other features. Effects can be directly applied right after taking these pictures. The following effects are available in this mode, Best photo, Best face, Eraser, Drama, and Panning shot.

- **Panorama**: Take wide panoramic photos. Press the Shutter button to take a photo, and then move the camera in any direction. When the blue frame aligns with the preview screen, the camera automatically takes another shot in the panoramic sequence. To stop shooting, press the Shutter button again.
- **Virtual tour**: Take a virtual 3D shot of your surroundings.
- **Dual camera**: Activate both the front and rear cameras simultaneously.

Taking Dual Camera Photos

With the Dual Camera feature, you can take a picture with both the front and rear cameras at the same time.

To take a Dual Camera picture:

1. From the camera viewfinder, touch the Mode button MODE then touch **Dual camera**.

   The camera viewfinder displays an image from the front-facing camera within a postage stamp picture frame on top of the main image displayed from the rear-facing camera.

2. Touch the Camera button to take the picture.

To resize the front camera image:

- Touch the postage stamp picture frame until the resize handles appear, then drag a corner to enlarge the image.

To reposition the front camera image

- Touch the postage stamp picture frame to detach it and then move it to a desired location.

Camera and Camcorder Settings

This section describes the different settings that you can configure on your camera. Not all of the following options are available in both still camera and video camera modes. The available options vary by mode.

- From the viewfinder, touch .

  The following settings are available:

  - **Picture size**: Select a resolution for photos. Use higher resolution for higher quality. Higher resolution photos take up more memory.
  - **Burst shots**: Take several photographs in quick succession by touching and holding the Camera button.

- **Picture stabilization**: Enable the stabilization feature to help adjust for jitter during picture taking.
- **Face detection**: Adjust the camera focus based on face detection technology.
- **ISO**: Set the sensitivity of the light meter is on your digital camera. Choose from Auto, 100, 200, 400, or 800. Use a lower ISO number to make your camera less sensitive to light, a higher ISO number to take photos with less light, or Auto to let the camera automatically adjust the ISO for each of your shots.
- **Metering modes**: Set how the camera measures or meters the light source: Center-weighted, Matrix, or Spot.
- **Tap to take pics.**: Take images by touching on the screen.
- **Selective focus**: Make objects stand out from the background.
- **Video size**: Select a resolution for videos. Use higher resolution for higher quality. Higher resolution videos take up more memory. Highest quality is UHD (4K video)
- **Recording mode**: Select a resolution for videos. Choose from: Normal, Limit for MMS, Slow motion, Fast motion, or Smooth motion.
- **Video stabilization**: Enable Optical Image Stabilization.
- **Audio zoom**: Enable the device to focus on an audio source that is not directly in front of the device.
- **Effects**: Access pre-installed and downloaded effects.
- **Flash**: Activate the flash.
- **Timer**: Take delayed-time shots. You can set the timer to Off, 2 sec, 5 sec, or 10 sec.
- **HDR**: Take photos with richer colors and contrasts by merging images taken at different exposure levels.
- **Location tags**: Attach a GPS location tag to the photo. Your location may appear on your photos when you upload them to the Internet. To avoid this, deactivate the GPS tag setting.
- **Storage**: Select the memory location for storage.
- **Review pics/videos**: View each picture after you take it.
- **Remote viewfinder**: Take pictures using the viewfinder of a Wi-Fi Direct connected device.

- **White balance**: Select an appropriate white balance, so images have a true-to-life color range. The settings are designed for specific lighting situations.
- **Exposure value**: Adjust the brightness level by moving the slider.
- **Grid lines**: Display viewfinder guides to help composition when selecting subjects.
- **Voice control**: Use voice commands to take a photo.
- **Help**: Display onscreen help topics.
- **Reset Settings**: Reset the camera settings.

Viewing your Pictures

After you take a photo, you can access various options from the Image Viewer. The Image Viewer uses your Gallery. For more information, refer to *"Gallery"* on page 167.

Using the Camcorder

In addition to taking photos, the camera also doubles as a camcorder that also allows you to record, view, and send videos.

Note: The camera may not be able to properly record videos to a memory card with a slow transfer speed.

Shooting Video

Tip: When shooting video in direct sunlight or in bright conditions, it is recommended that you provide your subject with sufficient light by having the light source behind you.

1. From the Apps menu, touch **Camera** to activate the camera mode.
2. Using the camera's main display screen as a viewfinder, adjust the image by aiming the camcorder at the subject.
3. Touch the Video key ( ) to begin shooting video. The red light will blink while recording.
4. While recording a video, pinch the screen to zoom out or pinch outwards to zoom in. You can magnify the picture up to x4 (400 percent).

5. You can touch the screen to move the focus to the area you touch.
6. Touch the Pause key ( ) to stop the recording and save the video file to your Camera folder.
7. Touch the Stop key ( ) to stop the recording and save the video file to your Camera folder.
8. Once the file has been saved, touch the image viewer, then touch to play your video.
9. Touch to return to the viewer.

Viewing Your Videos

After you take a video, you can access various options from the Image Viewer. The Image Viewer uses your Gallery and the Video player. For more information, refer to *"Gallery"* on page 167. Also, see *"Video"* on page 186.

ChatON

With the ChatON application, you can interact with friends and family with text, images, hand-written notes and video shared instantly. You can chat in groups, while a Web client will allow the easy sharing of content and conversations between your phone and PC.

For more information, visit web.samsungchaton.com.

Note: This app requires a Samsung account.

1. From the Apps menu, touch **ChatON**.
2. Follow the onscreen instructions to register and use the ChatON app.

Chrome

The Google Chrome app allows you to use the Google Chrome web browser on your phone.

- From the Apps menu, touch **Chrome**.

Clock

The Clock application allows you to access alarms, view the World Clock, set a stopwatch, use a timer, and set up your desk clock.

Alarm

Set an alarm to ring at a specific time.

1. From the Apps menu, touch **Clock** ➔ **Alarm** ➔ **Create alarm**.
2. Touch **Up** or **Down** to set the new time for the alarm to sound. Touch **AM** or **PM**.
3. Touch **Optional settings** to access the following:
   - **Repeat weekly**: Touch the **Repeat weekly** checkbox to have the alarm repeat on the same day every week.
   - **Alarm type**: Set the way in which the alarm sounds when activated (Melody, Vibration, Vibration and melody, and Briefing).
   - **Alarm tone**: Set the sound file which is played when the alarm is activated. Select an option or touch **Add** for additional options.
   - **Alarm volume**: Drag the slider to adjust the alarm's volume.
   - **Snooze**: Set a Duration (3, 5, 10, 15, or 30 Minutes) and Snooze repeat (1, 2, 3, 5, or 10 Times). Touch the **ON/OFF** slider to activate.
   - **Smart alarm**: Track body movements and calculates the best time for sounding the alarm. Place the phone somewhere on your bed (the phone's movement sensor is sensitive enough to work from any part of the bed). Set the **Interval** and the **Tone**. Touch the **ON/OFF** slider to activate.
   - **Name**: allows you to use a specific name for the alarm. The name will appear on the display when the alarm activates.
4. Touch **Save** to store the alarm details.

Turning Off an Alarm

- To stop an alarm when it sounds, touch and sweep the icon to the right.

Setting the Snooze Feature

- To activate the Snooze feature after an alarm sounds, touch and sweep the icon to the left. Snooze must first be set in the alarm settings.

Deleting Alarms

To delete an alarm, follow these steps:

1. From the Apps menu, touch **Clock** ➔ **Alarm**.
2. Press and hold any alarm. All of your alarms are displayed in a list. Touch the alarms you wish to delete to create a green checkmark then touch . Touch **Select all** to delete all alarms.
3. Touch **Undo** if you would like to undelete an alarm you just deleted.

World Clock

World Clock allows you to view the time of day or night in other parts of the world. World Clock displays time in hundreds of different cities, within all 24 time zones around the world.

1. From the Apps menu, touch **Clock** ➔ **World Clock**. The clock for your time zone is displayed.
2. Touch **Add city** to add another city to the World Clock.
3. Scroll through the list of cities to find the city you want to add, or touch the **Search bar** and use the keypad to enter a city to search for.
4. Touch the city you want to add. The clock for that city will display.
5. To set Daylight Savings time, press and hold a city, then touch **DST settings**.
6. Select **Automatic**, **Turn off**, or **Turn on**.
7. If Daylight Savings Time is selected, will appear next to the World Clock listing.

Deleting a World Clock Entry

1. From the Apps menu, touch **Clock** ➔ **World Clock** ➔ ➔ **Delete**.
2. Touch the city clocks you wish to delete to create a checkmark.
3. Touch **Delete**. Touch **Select all** to delete all World Clocks.

Stopwatch

You can use this option to measure intervals of time.

1. From the Apps menu, touch **Clock** ➔ **Stopwatch**.
2. Touch **Start** to start the stopwatch and touch **Lap** to mark a unit of time per lap.
3. Touch **Stop** to stop the stopwatch.
4. Touch **Restart** to continue or touch **Reset** to erase all times recorded.

Timer

You can use this option to set a countdown timer. Use a timer to count down to an event based on a preset time length (hours, minutes, and seconds).

1. From the Apps menu, touch **Clock** ➔ **Timer**.
2. To change the time, touch the time inside the circle. The **Seconds** field is highlighted and set to 30 seconds. Use the keypad to set the number of seconds you want.
3. Touch the **Minutes** field to set minutes.
4. Touch the **Hours** field to set hours if desired. As you touch different fields, they will become highlighted.
5. Touch **Start** to begin the timer and touch **Stop** to pause the timer.
6. After stopping, touch **Restart** to continue or touch **Reset** to set the timer back to the original setting.

Contacts

You can manage your daily contacts by storing their name and number in your Contacts List. Contacts List entries can be sorted by name, entry, or group.

You can also synchronize your phone Contacts List with selected accounts.

For more information, refer to *"Contacts"* on page 61.

- From the Apps menu, touch **Contacts**.

Drive

With the Google Drive application, everything that you add to your Drive from work or home is also available on your device. You can create and edit documents on your device and the changes are saved everywhere.

Note: This app requires a Google Account.

- From the Apps menu, touch **Drive**.

Dropbox

Dropbox is a "cloud" (Internet-based) file storage service. The Dropbox app lets you create an account with Dropbox or link with your existing Dropbox account.

For more information, refer to dropbox.com.

- From the Apps screen, touch **Dropbox**.

Email

Email enables you to review and create email using various email services. You can also receive message alerts when you receive an important email.

Creating an Email Account

1. From the Apps menu, touch **Email**.

   Your accounts screen displays with an Email setup screen displayed.

2. Enter you email address in the **Email address** field.
3. Enter your password in the **Password** field.
4. Touch **Next**.
5. At the **Account options** screen, touch any of the options you would like.

6. Touch **Next**.
7. Enter a name for this email account (optional).
8. Touch **Done**.

Creating Additional Email Accounts

To create additional email accounts after setting up your first account, follow these steps:

1. From the Apps menu, touch **Email**.

   Your Email screen displays showing your emails from the active account.
2. Touch → **Settings**.
3. Touch **Add account** to add another email account.
4. Enter the information required to set up another account.

Switching Between Email Accounts

1. From the Apps menu, touch **Email**.

   Your Email screen displays showing your emails from the active account.
2. Touch the Inbox button at the top of your screen and then touch an inbox.

   Your Email accounts screen is displayed.
3. Touch the Email account **Inbox** you would like to switch to. You can also select **Combined inbox** which will display email messages from all accounts.
4. The new Email account is displayed.

Flipboard

This application creates a personalized digital magazine out of everything being shared with you. Access news stories, personal feeds and other related material. Flip through your Facebook newsfeed, tweets from your Twitter account, photos from friends and much more.

1. From the Apps menu, touch **Flipboard**.
2. Swipe the screen up and select some onscreen categories that you are interested in, then follow the onscreen instructions to build your flipboard.

   – or –

   Touch **Touch to create or sign in** to log into your previously created profile.

Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message.

1. From the Apps menu, touch **Gallery**.

   All of the Albums that hold your pictures and videos will be displayed with folder name and number of files.
2. Touch an Album and thumbnails of the contents will be displayed.

Note: If your device displays that the memory is full when you access Gallery, delete some of the files by using **My Files** or other file management applications and try again. For more information, refer to *"My Files"* on page 181.

Viewing Pictures

1. From the main gallery, touch → **Slideshow** to see a slideshow of all of your pictures.
2. Touch a thumbnail to view a single picture.

Note: If no control icons are displayed on the screen in addition to the picture, touch anywhere on the screen to display them.

3. The following options are available at the top of the screen when your phone is held horizontally:
   - **Change player**: allows you to change the device the picture is displayed on if you are using Samsung Link.
   - **Share via**: allows you to share the picture via various applications.
   - **Delete**: allows you to delete the picture.
   - **Camera**: activates the camera.
4. Touch for additional options.

Viewing Videos

Note: If no control icons are displayed on the screen in addition to the picture, touch anywhere on the screen to display them.

1. Touch a video to select it.
2. Touch to play the video.
3. Touch for additional options.

For video player controls, see *"Video"* on page 186.

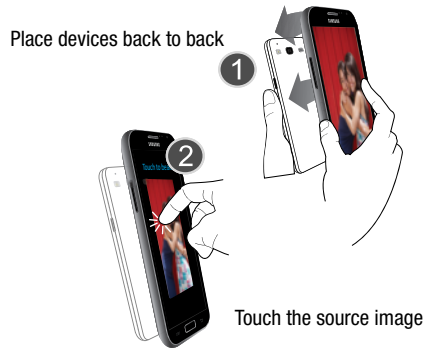
Using S Beam to Share Pictures

This feature (when activated via NFC) allows you to beam large files directly to another compatible device that is in direct contact. These files can be larger, such as Videos, HD pictures, and other large files.You can beam images and videos from your gallery, music files from your Music, and more.

1. From the Home screen, touch **Apps** → **Settings**.
2. Scroll down to **CONNECT AND SHARE**, then touch **NFC**.

3. Touch **OFF/ON** to turn NCF on.
4. Touch **OFF/ON** to turn S Beam on.
5. On the source device (containing the desired image or video), touch **Apps** ➔ **Gallery**.
6. Locate and touch the selected image to open it in the preview window.

Important! Neither device must be in Lock mode or displaying the Lock screen. They must both be active and unlocked. It is recommended that the target device be on the Home screen.



7. Place the two active NFC-enabled devices back to back to begin (1).
8. From the **Touch to beam** screen, touch the reduced image preview to begin the transfer (2).
9. When prompted, separate the two devices. After a few seconds (depending on file size) the recipient with then see the transferred file displayed on their screen.

Note: If the **Touch to beam** screen does not appear on the source device: 1) Pull them apart, 2) verify that the image is visible in the preview window on the source device, and 3) place them together again.

To share multiple pictures via S Beam:

1. On the source device (containing the desired image or video), touch **Apps** ➔ **Gallery**.
2. Locate the selected folder.
3. Touch and hold the first image and place a checkmark on it and all desired images.
4. Place the two active NFC-enabled devices back to back to begin.
5. From the **Touch to beam** screen, touch the reduced image preview to begin the transfer.
6. When prompted, separate the two devices.
7. The picture(s) is transferred to the other device.

Editing a Photo

You can edit your photos using the built-in Photo editor application on your device. The photo editor application provides basic editing functions for pictures that you take on your phone. Along with basic image tuning like brightness, contrast, and color it also provides a wide variety of effects used for editing the picture.

1. From the Home screen, touch **Apps** ➔ **Gallery**.
2. Select a folder location and touch a file to open it.
3. With the image displayed, touch ➔ **Edit** to launch the Photo editor.

Note: To select the picture area, touch and hold the current picture.

4. Use the following editor controls to edit your picture:

Undo: undo the current operation. Touch and hold to undo all changes.

Redo: redo the previous operation. Touch and hold to reapply all changes.

Cancel/Delete: exits the current photo editing session.

Save: stores the currently edited photo.

Adjustment: provide the following adjustment option:

- **Rotate**: allows you to rotate a photo in all 4 directions. You can also mirror image a photo.
- **Crop**: allows you to crop (cut-out) an area of a photo.
- **Resize**: allows you to crop (cut-out) an area of a photo.

Tone: provide the following tonal options: Brightness, Contrast, Saturation, Red, Green, Blue, Temperature, and Hue.

Effect: allows you to add various effects to your photo.

Portrait: allows you to apply various face correction effects such as: Red-eye fix, Airbrush face, Face brightness, Out-of-focus, Beauty face, Face reshaping, or Spot healing.

Decoration: provides creative features such as: Sticker, Label, Frame, Drawing, and Image.

5. Touch to access the following options:

- **Clipboard**: allows you to select images from your clipboard to add to your picture.
- **Share via**: allows you to share your saved photo via various applications.
- **Set as**: assigns the currently saved image as either a: Contact photo, Home and lock screens, Home screen, Lock screen, or wallpaper.

Gmail

Gmail is a web-based email service. Gmail is configured when you first set up your phone. Depending on your synchronization settings, Gmail can automatically synchronize with your Gmail account on the web.

Signing into Your Gmail

Note: You must sign in to your Gmail account in order to access Gmail.

1. Sign on to your Google account if you are not already signed on. For more information, refer to *"Creating a New Google Account"* on page 13.
2. From the Apps menu, **Gmail**.
3. Follow the onscreen instructions.
   The Inbox loads conversations and email.

Creating a Gmail Message

1. From the Gmail Inbox, touch at the bottom of the screen to create a new message.
2. Enter the recipients Email address in the **To** field. Separate multiple recipient email addresses with a comma.
3. Touch and select **Add Cc/Bcc** to add a carbon or blind copy.
4. Enter the subject of this message in the **Subject** field.
5. Touch the **Compose email** field and begin composing your message.
6. Touch to send.

Viewing a Gmail Message

1. From the Gmail Inbox, touch a message to view it.
2. Touch for additional options.

Google

Use this application to search not only the Internet, but also applications and their contents on the device as well.

1. From the Apps menu, touch **Google**.

   – or –

   From the main Home screen, touch Google.

2. Use the keyboard to enter search criteria.

   – or –

   Touch and speak the search criteria slowly and clearly.

3. Suggestions display below the text entry area. Touch a suggestion to search for that term, or touch on the keyboard to start the search.

Google Now

Google Now recognizes repeated actions performed on the device (including accessing locations, repeated calendar appointments, search queries, and more). Google Now uses these actions to automatically send updates for user-specific information in the form of “cards.”

Visit google.com/landing/now to learn more.

Note: You must be signed in to your Google Account to use Google Now. If not, touching will launch a basic Google search.

1. Press and hold the **Home Key**, and then touch .
2. Follow the prompts to set up and use Google Now.

Note: When Google Now is enabled, you can also access it by touching **Apps** ➔ **Google**.

Google Settings

Quickly and easily change Google app settings to suit your preferences.

Note: You must be signed in to the application in which you want to configure. (For example, sign in to Google+ in order to configure Google+ settings).

- From the Apps menu, touch **Google Settings**.

Google+

Stay connected and share life as it happens with Google+. Chat with friends and family, post photos, or see what others are sharing while you're on the go.

Visit google.com/mobile/+ to learn more.

Note: This app requires a Google Account.

- From the Apps menu, touch **Google+**.

Hangouts

Google Hangouts is an online place to meet friends and family, share photos, and host video calls.

Visit google.com/+/learnmore/hangouts to learn more.

Note: This app requires a Google Account.

- From the Apps menu, touch **Hangouts**.

Internet

The Internet is your access to the mobile web. This section explains how to navigate your Internet Browser and introduces you to the basic features.

Accessing the Internet

To access the Browser:

- From the Apps menu, touch **Internet**.

  The Quick access homepage displays.

Navigating with the Browser

1. To select an item, touch an entry.
2. To scroll through a website, sweep the screen with your finger in an up or down motion.
3. Sweep the screen left to right to move laterally across a web page.
4. To return to a previous page, touch ←.
5. To move forward to a web page, touch →.

Browser Options

- From any web page, touch ⋮ to access your browser options.

Internet Settings

- From any web page, touch → **Settings** to access your Internet settings. For more detailed information, see *"Internet"* on page 132.

Enter a URL

You can access a website quickly by entering the URL. Websites are optimized for viewing on your phone.

To enter a URL and go to a particular website, follow these steps:

1. Touch the **Search or enter URL** field at the top of your screen.
2. Enter the URL using the onscreen keypad.

Search the Internet

To perform an internet search using keywords, follow these steps:

1. Touch the **Search or enter URL** field at the top of the browser.
2. Enter the keyword(s) to search using the onscreen keypad and touch **Go**.
3. Touch a link to view the website.

Adding and Deleting Windows

You can have up to eight Internet windows open at one time. To add a new window, follow these steps:

1. From your browser, touch → **New window**.

   A new browser window is opened.
2. Touch **Windows** to see thumbnails of all open windows.
3. Touch a window listing to open up that Internet window.
4. Touch at the top right corner of the web page thumbnail to delete the window.

Going Incognito

The incognito feature allows you to view Internet sites outside of normal browsing. Pages viewed in this incognito window won't appear within your browser history or search history, and no traces (such as cookies) are left on your device.

Note: Any downloaded files will be preserved and will stay on your device after you exit the incognito mode.

To add a new incognito window:

1. From your browser, touch ➔ **Incognito mode**.
2. At the information prompt, touch **OK**.
3. A new browser window displays.

To exit from the incognito window:

1. From your browser window, touch **Windows**.
2. Scroll across the available windows and locate the incognito window. The incognito icon appears in the upper left corner of the new browser window while you are in this mode.
3. Touch next to the incognito listing to delete this window.

Using Bookmarks

While navigating a website, you can bookmark a site to quickly and easily access it at a future time. The URLs (website addresses) of the bookmarked sites are displayed in the Bookmarks page. From the Bookmarks page you can also view your Most visited websites and view your History.

1. From the Home webpage, touch **Bookmarks**, located at the bottom right of the screen.

   The Bookmarks page displays.
2. Touch to display the Bookmark options.

Adding Bookmarks

1. From any webpage, touch ➔ .
2. Use the onscreen keypad to enter the Name, Address, and Location.
3. Touch **Save**.
4. **Saved to bookmarks** will appear at the bottom of the page.

Maps

Depending on your location, you can view basic, custom, and satellite maps and local business information, including locations, contact information, and driving directions. You can also post public messages about a location and track your friends.

To receive better GPS signals, avoid using your device in the following conditions:

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather
- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

Important! Before using Google Maps you must have at least an active data connection. The Maps application does not cover every country or city.

- From the Apps menu, touch **Maps**. A map will display with your location in the very center.

Memo

The Memo application allows you to write memos that can include text, audio, and images.

1. From the Apps menu, touch **Memo**.
2. Touch **Categories** to reveal available Memo categories or Manage categories.
3. Touch **Search** to search for a matching text string within your available memos.

   – or –

   Touch **Touch to create memo** to create a new memo.

   – or –

   Touch **Menu** and select one of the following options:

   - **Select**: allows you to select an available memo.
   - **Delete**: allows you to delete selected memos.
   - **Account**: allows you to access an available account.

Messages

Messages lets you exchange text and multimedia messages with compatible device users.

For more information, refer to *"Messaging"* on page 73.

- From the Apps menu, touch **Messages**.

Music

Music is an application that can play music files. Music supports files with extensions AAC, AAC+, eAAC+, MP3, WMA, 3GP, MP4, and M4A. Launching Music allows you to navigate through your music library, play songs, and create playlists (music files bigger than 300 KB are displayed).

Playing Music

1. From the Apps menu, touch **Music**.
2. Touch a library category at the top of the screen (Playlists, Tracks, Albums, Artists, Music square, Folders or Devices) to view the available music files.
3. Scroll through the list of songs and touch an entry to begin playback.
4. The following Music controls are available:

Pause the song.

Start the song after pausing.

Press and hold to rewind the song. Touch to go to previous song.

Press and hold to fast-forward the song. Touch to go to next song.

Volume control and SoundAlive.

Volume control showing volume muted.

Plays the entire song list once.

Replays the current list when the list ends.

Repeats the currently playing song.

Shuffles the current list of songs randomly.

Songs play in order and are not shuffled.

Lists the current playlist songs.

Displays the current song in the player window.

Assign the current song as a Favorite.

Streams the current music file to another device via Samsung Link.

Music Options

To access additional options:

- While in Music, touch .

  The following options are available before you play music:

Note: The following options may or may not appear depending on whether or not music is actually playing. Also, options will be different if the song you are listening to is in a playlist.

- **Listen via Bluetooth**: scans for devices and pairs with a Bluetooth headset.
- **Set as**: allows you to set the music file as a ringtone or alarm tone.
- **Settings**: allows you to change your Music settings. For more information, refer to *"Music Settings"* on page 180.
- **Details**: displays details about the music file such as Title, Artist, etc.

Music Settings

The Music Settings menu allows you to set preferences for the Music app such as whether you want the music to play in the background, sound effects, and how the music menu displays.

1. While in Music, touch ➔ **Settings**.
2. Select one of the following settings:
   - **Tabs**: this menu allows you to select which categories you want to display. Choices are: Albums, Artists, Genres, Music square, Folders, Composers, Years, Most played, Recently played, or Recently added. Touch each item that you want to display in the Music menu.
   - **Playlists**: this menu allows you to determine which playlists are displayed.
   - **SoundAlive**: set a type of equalization such as Normal, Pop, Rock, Jazz, Dance, Classic, etc.
   - **Adapt Sound**: allows you to set Adapt Sound on when your are listening with earphones to alert of incoming calls and notifications.
   - **Play speed**: set the play speed anywhere between 0.5X and 2.0X using the slider.
   - **Music auto off**: when activated, music will automatically turn off after a set interval.
   - **Lyrics**: when activated, displays lyrics when available.
   - **Smart volume**: automatically adjusts each track's volume to an equal level.

Using Playlists

Playlists are used to assign songs to a list of preferred media which can then be grouped into a list for later playback. These Playlists can be created via either the handset's Music options menu or from within a 3rd party music application (such as Windows Media Player) and then downloaded to the handset.

Creating a Playlist

1. While in Music, touch the **Playlists** tab.
2. Touch ➔ **Create playlist**.
3. Type a name for this playlist in the field and touch **OK**.

Adding Music to a Playlist

To add files to a playlist:

1. While in Music, touch the **Playlists** tab.
2. Touch the playlist name.
3. Touch **Add music**.
4. Touch a music file or touch **Select all** to add all the music tracks to this playlist.
5. Touch **Done**.

Removing Music from a Playlist

To remove music files from a playlist:

1. While in Music, touch the **Playlists** tab.
2. Touch the playlist name.
3. Touch → **Remove**.
4. Touch the checkbox to the left of each track you want to remove from this playlist or touch **Select all** to remove all the music tracks from this playlist.
5. Touch **Done**.

Editing a Playlist

Besides adding and removing music files in a playlist, you can also rename the playlist.

1. While in Music, touch the **Playlists** tab.
2. Touch → **Edit title**.
3. Touch a playlist name to edit.
4. Enter a new name for the playlist then touch **OK**.

My Files

My Files allows you to manage your sounds, images, videos, bluetooth files, Android files, and other memory card data in one convenient location.

1. From the Apps menu, touch **My Files**.
2. Touch **Device storage** to see the contents of your internal SD card.

Note: If you do not have an external SD card inserted, this option will not display. All files shown will be from your internal storage. Different folders may appear depending on how your phone is configured.

3. If you have an external SD card inserted, touch **SD card** to see the contents of your external SD card (memory card).

Phone

The Phone application allows you to access the dialer keypad, call logs, and favorites. For more information, refer to *"Call Functions"* on page 48.

- From the Home screen, touch **Phone**.

Photos

Automatically save every photo you take with your phone to your Google+ account. Then it is easy to view, organize, and share them with friends and family of your choice.

Visit google.com/+/learnmore/photos to learn more.

Note: This app requires a Google Account.

- From the Apps menu, touch **Photos**.

Play Books

With Google Play Books, you can find more than 3 million free e-books and hundreds of thousands more to buy in the eBookstore.

Visit play.google.com/store/books to learn more.

Note: This app requires a Google Account.

- From the Apps menu, touch **Play Books**.

Play Games

Discover hundreds of games for download and purchase through the Google Play Store.

Visit play.google.com/store/apps/category/GAME to learn more.

Note: This app requires a Google Account.

- From the Apps menu, touch **Play Games**.

Play Movies & TV

Watch movies and TV shows purchased from Google Play. You can stream them instantly, or download them for viewing when you're not connected to the Internet. You can also view videos saved on your device.

Visit play.google.com/store/movies to learn more.

Note: This app requires a Google Account.

- From the Apps menu, touch **Play Movies & TV**.

Play Music

With Google Play Music, you can play music you've downloaded, and music you copied from your computer.

Visit play.google.com/about/music to learn more.

Note: This app requires a Google Account for some features.

- From the Apps menu, touch **Play Music**.

Play Newsstand

Subscribe to your favorite magazines so you can have them available to read on your phone at any time or any place.

Visit play.google.com/store/newsstand to learn more.

Note: This app requires a Google Account.

- From the Apps menu, touch **Play Newsstand**.

Play Store

All your favorite apps, movies and tv shows, music, books, magazines, and games are available in Google Play Store.

Visit play.google.com/store to learn more.

Note: This app requires a Google Account.

- From the Apps menu, touch **Play Store**.

POLARIS Office 5

Polaris Office 5 is a Microsoft Office-compatible office suite for managing your documents online or offline. It can also open Adobe PDF (Portable Document Format) files.

Visit polarisoffice.com to learn more.

- From the Apps menu, touch **POLARIS Office 5**.

S Health

S Health is a wellness application that allows you to better manage your health by providing you with relevant information.

1. From the Apps menu, touch **S Health**.
2. Follow the onscreen instructions to use S Health.

Before You Start Exercising

This app can be used to monitor your exercise. While moderate physical activity, such as brisk walking, is safe for most people, health experts suggest that you talk with your doctor before you start an exercise program, particularly if you have any of the following conditions:

- Heart disease;
- Asthma or lung disease;
- Diabetes, or liver or kidney disease;
- Arthritis.

You should also check with your doctor if you have symptoms suggestive of heart, lung, or other serious disease, such as:

- Pain or discomfort in your chest, neck, jaw, or arms during physical activity;
- Dizziness or loss of consciousness;
- Shortness of breath with mild exertion or at rest, or when lying down or going to bed;
- Ankle swelling, especially at night;
- A heart murmur or a rapid or pronounced heartbeat;
- Muscle pain when walking upstairs or up a hill that goes away when you rest.

Finally, the American College of Sports Medicine recommends that you see your doctor before engaging in vigorous exercise if two or more of the following apply:

- You are a man older than age 45 or a woman older than age 55;
- You have a family history of heart disease before age 55;
- You smoke or quit smoking in the past six months;

- You have not exercised for three months or more;
- You are overweight or obese;
- You have high blood pressure or high cholesterol;
- You have impaired glucose tolerance, also called pre-diabetes.

When in Doubt—Check it Out

If you are unsure of your health status, have several health problems, or are pregnant, you should speak with your doctor before starting a new exercise program. Working with your doctor ahead of time is a good way to plan an exercise program that is right and safe for you. Consider it the first step on your path to physical fitness.

S Voice

With the S Voice application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, texting a message, playing music, etc.

1. From the Apps menu, touch **S Voice**.

   The Welcome screen displays. Touch **Next**.
2. Touch **Tutorial** to view information about using S Voice or touch **Start S Voice** to get started using S Voice.
3. At the S Voice screen, touch or say “Hi Galaxy” to wake up S voice.
4. Speak into the phone and follow the onscreen instructions.
5. Touch for additional options.

Samsung Apps

With Samsung Apps, you can download hundred of applications from a variety of categories.

Note: This app requires a Samsung Account.

- From the Apps menu, touch **Samsung Apps**.

Settings

This app navigates to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone.

For more information, refer to *"Changing Your Settings"* on page 81.

Smart Remote

Discover and control your TV's programming right from your device. You can control your entertainment system with gestures from your device. Peel Smart Remote also suggests TV shows for you based on what you watch and like.

Visit peel.com to learn more.

- From the Apps menu, touch **Smart Remote**.

Video

The Video application plays video files stored on your phone or microSD card.

1. From the Apps menu, touch **Video**.

   All videos that you have on your phone and memory card will be displayed.

2. Touch the video that you want to play.
3. The following video controls are available:

   Pause the video.

   Start the video after being paused.

- Press and hold to rewind the video. Touch to go to previous video.
- Press and hold to fast-forward the video. Touch to go to next video.
- Streams the current music file to another device via Samsung Link.
- Volume control.
- Volume control showing volume muted.
- Full-screen in ratio view. The video is enlarged as much as possible without becoming distorted.
- Full-screen view. The entire screen is used, which may cause some minor distortion.
- Original size view. The video will be played in its original size.
- Stretch to fit. The video is enlarged to fit the screen without becoming distorted.

Note: The screen view icons are a four-way toggle. The icon that is displayed, is the mode that will appear after the icon is touched.

Voice Recorder

The Voice Recorder allows you to record an audio file up to one minute long and then immediately share it using Wi-Fi Direct, Messages, Gmail, or via Bluetooth. Recording time will vary based on the available memory within the phone.

1. From the Apps menu, touch **Voice Recorder**.
2. To start recording, touch **Record** and speak into the microphone.
3. During the recording process you can either touch **Stop** to stop and save the recording or touch **Pause** to temporarily halt the recording. After pausing, touch **Record** to resume recording. Once the audio recording has stopped, the message is automatically saved. Touch **Cancel** to cancel the recording without saving.
4. Touch **List** to display a list of current recordings.
5. Touch **Recording quality** to adjust the recording quality. Choose from: Normal, Interview, Conversation, or Voice memo.
6. Touch for additional options.

Voice Search

The Google Voice Search application allows you to search the web using only your voice.

1. From the Apps menu, touch **Voice Search**.
2. When the Google Voice Search screen displays, speak the word or words that you would like to search for on the internet.
3. If the timer expires and the mic icon changes from red to gray, touch the mic icon and speak the word or words that you would like to search for on the internet.
4. The following options are available at the bottom of your screen:
   - **Web**: After selecting a different option, touch Web to return to the original search results.
   - **Images**: Displays images for your search.
   - **News**: Displays news items related to your search.
   - **MORE**: After touching More, sweep your screen to the left to see additional options such as Maps, Shopping, Videos, Blogs, Discussions, Books, Applications, and Phone.

YouTube

YouTube is a video sharing website on which users can upload and share videos. The site displays a wide variety of user-generated video content, including movie clips, TV clips, and music videos, as well as video content such as video blogging, informational shorts and other original videos.

Note: YouTube is a data-intensive feature. It is recommended that you upgrade to a large data plan to avoid additional data charges.

- From the Apps menu, touch **YouTube**.

Sign Up Now

Customize your Samsung device experience

- Activate product warranty
- Access to a personalized My Samsung Mobile account
- No monthly fees

Get More

- Latest info on promotions, events and special offers on related products
- Review Samsung products and share your opinion
- Great deals on downloads

Register now at
www.samsung.com/register

Scan this code to go
directly to the registration page.

SAMSUNG
mobile

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